



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 39] नई दिल्ली, शनिवार, सितम्बर 24, 1977 (आश्विन 2, 1899)  
No. 39] NEW DELHI, SATURDAY, SEPTEMBER 24, 1977 (ASVINA 2, 1899)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 24th September 1977

#### CORRIGENDA

(1)

In the Gazette of India, Part III, Section 2, dated the 2nd July 1977 under the heading "COMPLETE SPECIFICATIONS ACCEPTED".

(1)

In page 581, column 1, line 8, against No. 142375—  
for SAULI read SKAULI

(2)

In page 581, column 1, line 1, against CLASS 103—  
insert 142376

and

line 3, delete Applicant : YHTI OF BRGAS, BULGARIA  
insert ANTIADHESIVE COMPOSITION

(3)

In page 585, column 1, line 3, against No. 142389—  
for (34675/73) read (34695/73)

(4)

In page 586, column 1, line 1, against No. 142396—  
for 32D, 32F<sub>A</sub>, 32F<sub>E</sub> read 32D, 32F<sub>au</sub>, 32F<sub>E</sub>

(5)

In page 586, column 2, line 5, against No. 142398—  
for SCHIWSFIZFRISCHE read SCHWEIZFRISCHE  
257G1/77

(6)

In page 589, column 2, line 2, against No. 142410—  
for B21h 5/18 read D21h 5/18

(7)

In page 590, column 2, line 9, against No. 142415—  
for (56155/73) read (56166/73)

(8)

In page 590, column 2, line 2, against No. 142416—  
for 45/59 read 45/50

(2)

In the Gazette of India, Part-III, Section-2 dated the 9th July 1977 under the heading "COMPLETE SPECIFICATIONS ACCEPTED"—

(1)

In page 597, column 2, line 5, against No. 142424—  
for CHIMTUES read CHIMIQUES

(2)

In page 598, column 2, line 2, against No. 142430—  
for C7c read C07c

(3)

In page 599, column 2, line 5, against No. 142433—  
for KOPPELMANN read KOPPELMAN

(4)

In page 602, column 2, line 2 against No. 142447—  
for 68/82 read 69/82.

(799)

(5)

In page 603, column 1, line 11, against No. 142448—  
for September 13, 1973/(43123/73) read September 13,  
1973/(43123/73) U.K.

(6)

In page 603, column 2, line 1, against CLASS 71B & G &  
149F insert 142451.

(7)

In page 604, column 1, line 5, against No. 142453—  
delete "Appropriate Office for Opposition Proceedings  
(Rule 4,"  
insert "Applicant : EGYT GYOGYSZERVEGYESZETI  
GYAR"

and

line 6, for ERESZTURI read KERESZTURI

(8)

In page 605, column 1, line 2 against No. 142455—  
for CALCUTTA Read Delhi Branch.

(3)

In the Gazette of India, Part-III, Section-2 dated 9th  
July 1977 in page 605 column 1 under the heading "Amend-  
ment Proceedings under Section 57" item (1) in line 18 for  
"In" read "If" and line 19 for "led" read "left" In  
column 2, item (3) line 3 for "art III" read "Part III".

In the Gazette of India, Part III, Section 2 dated 16th  
July 1977 in page 619 column 2 under the heading "Amend-  
ment Proceedings under Section 57" in line 11 for "fee"  
read "free".

(4)

In the Gazette of India, Part III, Section 2, dated the 16th  
July 1977 under the heading "COMPLETE SPECIFICA-  
TIONS ACCEPTED".

(1)

In page 610, column 1, line 2, against No. 142460—  
for G011 read G011

(2)

In page 613, column 2, line 4, against No. 142472—  
for OR read OF

(3)

In page 615, column 2, line 7, against No. 142481—  
for POLYTAVSKY read POLTAVSKY

(4)

In page 616, column 1, line 5, against No. 142481—  
for DZAMAROX read DZHAMAROV

(5)

In page 619, column 1, line 9, against No. 142493—  
for D. HEINZ SCHULZ read DR. HEINZ SCHULZ

(5)

In the Gazette of India, Part III, Section 2, dated the 23rd  
July 1977 under the heading "COMPLETE SPECIFICA-  
TIONS ACCEPTED".

(1)

In page 625, column 2, line 7, against No. 142495—  
for DEVELOPMENT read DEVELOPEMENT

(2)

In page 626, column 1, line 10, against No. 142497 and  
142498—  
for EMERGY read EMERY

(3)

In page 626, column 2, line 5 against No. 142498—  
for 3 claims read 2 claims

(4)

In page 628, column 1, line 2, against No. 142505—  
for Int. Cl. IB23P 3/00 read Int. Cl. B23p 3/00

(5)

In page 630, column 2, line 11, against No. 142517—  
for No. 2034/Del/74 read No. 2034/Cal/74

And

In column 2, line 1, against No. 142518—  
for 70C read 70C<sub>a</sub>

(6)

In page 632, column 1, line 6, against No. 142526—  
for DURGAPU-10 read DURGAPUR- 10.

And

In line 10, for Application 60 read Application No.

(7)

In page 632, column 2, line 5 against No. 142528—  
for CARRATERIE read CORRATERIE

AND

In line 7, for JALR read JARL

(8)

In page 634, column 1, line 5 against No. 142533—  
for METALIWERKE read METALLWERKE

AND

In line 7, for VAHRENWAIDER read VAHRENWAL-  
DER.

(9)

In page 634, column 2, line 8, against No. 142537—  
for SCHEDON read SCHEIDON

(10)

In page 634, column 2, line 6, against No. 142538—  
for RETRO read RETIRO

(11)

In page 637, column 2, line 2, against No. 142548—  
for 7/72 read 7/12

(6)

In the Gazette of India, Part III, Section 2, dated the 30th  
July 1977 under the heading "COMPLETE SPECIFICA-  
TIONS ACCEPTED".

(1)

In page 650, column 2, line 6, against No. 142565—  
for 3, read 23,

(2)

In page 651, column 1, line 11, against No. 142567—  
for Calcutta read Bombay Branch.

(3)

In page 651, column 1, line 10, against No. 142568—  
for "filed IZZBfd" read "filed November 10, 1975"

(4)

In page 655, column 2, line 13, against No. 142588—  
for Calcutta read Delhi Branch.

(5)

In page 656, column 1, line 2, against No. 142591—  
for B01d 21026 read B01d 21/26

AND

In line 4, for DONAIDSON read DONALDSON

(6)

In page 657, column 1, line 2, against No. 142594—  
for G06f 51/00 read G06f 15/00

(7)

In page 659, column 1, line 5, against No. 142603 —  
for 'ILAF' read 'OLAF'

(8)

In page 659, column 1, line 2, against No. 142604—  
for B01 1/00 read B01j 1/00

(9)

In page 660, column 2, after line 3, against No. 142609 —

*Insert applicant & Inventor* : UMESH DATTA, OF 94  
BHAGAT SINGH MARKET, NEW DELHI-  
110001, INDIA.

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed  
under Section 135 of the Act.

18th August, 1977

1280/Cal/77. Snia Viscosa Societa Nazionale Industria Appli-  
cazioni Viscosa S.P.A. Self-extinguishing poly-  
mers.

1281/Cal/77. Sumitomo Chemical Company, Limited. Insec-  
ticial composition containing optically active  $\alpha$ -  
cyano-3-phenoxybenzyl 2-(4-chlorophenyl) isova-  
lerate.

1282/Cal/77. Sorg GMBH & Co. KG. Method of inclusion  
melting of glass with waste substances, and furnace  
for carrying out such method.

1283/Cal/77. Snamprogetti S.p.A. Method for the production  
of urea and purification of water.

1284/Cal/77. Alfa-Laval Aktiebolag. Process for removal of  
oxygen from and addition of carbon dioxide to a  
liquid.

1285/Cal/77. Texaco Development Corporation, Coal lique-  
faction.

1286/Cal/77. Nordica Di Franco E Giovanni Vaccari & C.  
S.A.S. Shoes particularly, for general sporting  
activities and training.

1287/Cal/77. Siemens Aktiengesellschaft. A method of pro-  
ducing a composite powder for use in manufac-  
turing an electrical contact.

1288/Cal/77. The Tata Iron & Steel Company Limited. Cold  
rolled deformed reinforcement bars.

1289/Cal/77. Associated Engineering Limited. Improvements  
in and relating to date processing. (August 19,  
1976).

1290/Cal/77. Allis-Chalmers Corporation. Improved method  
of and apparatus for processing raw cement mater-  
ials in system utilizing suspension preheater with  
kiln off-gas bypass system and gas-compensation.

1291/Cal/77. F. C. Petersen. Suspended carbon separation.

1292/Cal/77. Allied Chemical Corporation. Photochemical  
diodes.

19th August, 1977

1293/Cal/77. Proizvodstvennoe Obiedinenie Turbostroenia  
"Leningradsky Metallichesky Zavod". Method of  
making rotor blades of radial-axial hydraulic  
machines.

1294/Cal/77. General Electric Company. Aromatic salicylate  
process

1295/Cal/77. Kombinat Veb Elektro-Apparate-Werke Berlin  
Treptow. Current-limiting automatic switch.

1296/Cal/77. Schubert & Salzer Maschinenfabrik Aktienge-  
sellschaft. Apparatus for separating contaminants  
from fibrous material, in particular from cotton  
fibrous material.

1297/Cal/77. Kearney & Trecker Corporation. Machine tool  
with counterposed rotary toolheads carrying cross-  
feed tool slides.

1298/Cal/77. Dunlop Limited. Improvements in or relating  
to springs. (August 28, 1976).

20th August, 1977

1299/Cal/77. Troy Chemical Corporation. Urethanes of  
1-halogen substituted alkynes.

1300/Cal/77 National Instruments Limited. Scale reading  
device Fae-4".

1301/Cal/77. Lucas Industries Limited. Fluid control valves.  
(June 22, 1977).

1302/Cal/77. Yardney Electric Corporation. Active material  
for pressed nickel electrodes.

1303/Cal/77. Yardney Electric Corporation. Improved con-  
ductive diluent for pressed nickel electrodes.

1304/Cal/77. General Electric Company, Catalytic aromatic  
carbonate process.

22nd August, 1977

1305/Cal/77. General Electric Company. Catalytic aromatic  
carbonate process.

1306/Cal/77. General Electric Company. Aromatic carbo-  
nates.

1307/Cal/77. Dr. R. K. Gupta and A. K. Mehta. Kerosene  
wick stove. [Divisional date February 10, 1977].

1308/Cal/77. Dr. R. K. Gupta and A. K. Mehta. Kerosene  
wick stove. [Divisional date February 10, 1977].

1309/Cal/77. Dresser Industries, Inc. High frequency diffu-  
sion muffler for gas jets.

1310/Cal/77. Ernest Scragg & Sons Limited. Food products.  
(September 3, 1976).

1311/Cal/77. Science Union ET Cie Societe Francaise DE  
Recherche Medicale. Process for the preparation  
of thiochroman derivatives. (August 23, 1976).

1312/Cal/77. Outokumpu OY. Hydrometallurgical process  
for the recovery of zinc, copper, and cadmium  
from their ferrites.

23rd August, 1977

1313/Cal/77. General Electric Company. Aromatic carbo-  
nates.

1314/Cal/77. Knorr-Bremse G.M.B.H. Brake accelerator  
for the drawing-off of compressed air from the  
main air conduit of compressed-air brakes of rail  
vehicles.

1315/Cal/77. Nedschroef Octrooi Maatschappij N.V. A  
method and device for signalizing and sorting of  
wrongly threadrolled products on threadrolling  
machines.

1316/Cal/77. Agence Nationale DE Valorisation DE I.A  
Recherche—A.N.V.A.R. Solar energy collector.

1317/Cal/77. Synchro Tech Enterprises. An electronic auto-  
ignition combination lock.

1318/Cal/77. Societe D'Etudes Scientifiques ET Industrielles  
DE L'ILE-DE France. Process for producing  
N(1'-Allyl 2'-Pyrrolidylmethyl) 2, 3-dimethoxy 5-  
sulfamoyl benzamides and derivative thereof.

1319/Cal/77. Mitsubishi Denki Kabushiki Kaisha. Fluid blast circuit breaker.

24th August, 1977

1320/Cal/77. Kureha Kagaku Kogyo Kabushi Kaisha. Method for the cultivation of basidiomycetes.

1321/Cal/77. Izon Corp. Compact optical viewer for microfiche and cassette.

1322/Cal/77. K. S. Gandhi. A heating installation.

1323/Cal/77. Ross Agricultural Co., Inc. Pea shelling apparatus.

1324/Cal/77. Nitto Boseki Co., Ltd. Apparatus for manufacturing a glass fiber chopped strand mat.

1325/Cal/77. Nitto Boseki Co., Ltd. Strand cutting device for continuous glass fiber winding apparatus.

#### APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

8th August, 1977

184/Del/77. The Chief Controller Research & Development, Ministry of Defence, Government of India. Silicon-based heat-resistant aluminium paint.

9th August, 1977

185/Del/77. K. Ganesha. Stepper motor operated falling leaf display device.

10th August, 1977

186/Del/77. Council of Scientific and Industrial Research. "Eceemark". Semi-automatic electrochemical marking machine.

187/Del/77. Council of Scientific and Industrial Research. Improvements in or relating to formation process for producing the high quality aluminium oxide films suitable for use in high voltage electrolytic capacitor.

188/Del/77. Council of Scientific and Industrial Research. Improvements in or relating to feeding of direct current for etching of aluminium foil by means of contact cell.

189/Del/77. N. Khan. Oil for use in cuts, burns, rough, cold fever (for external use).

11th August, 1977

190/Del/77. Purolator India Limited. Separator for use in batteries.

191/Del/77. Purolator India Limited. Separators for use in batteries.

#### APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

16th August, 1977

135/Mas/77. M. Madhusudan. Trans mains automatic radio receiver.

136/Mas/77. M. Madhusudan. "Electron pump"—for charging dry cells and dry batteries of all brands.

17th August, 1977

137/Mas/77. Sri Prakash Industries. A plough with depth adjustment mechanism.

19th August, 1977

138/Mas/77. M. J. Joseph. Palm climber.

#### ALTERATION OF DATE

143020.  
231/Bom/76. Ante-dated 9th December, 1975.

143033.  
472/Cal/76. Ante-dated 21st September, 1974.

143041.  
1864/Cal/75. Ante-dated 24th July, 1969.

143078.  
688/Cal/76. Ante-dated 18th June, 1966.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents on any of the applications concerned may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect on each specification are according to India Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Roy Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India) Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 45A & C.

143007

Int. Cl. A47k 4/00; E03 d 9/08.

#### A BIDET AND WASHING PAN ATTACHMENT FOR COMMODOES.

*Applicant & Inventor* : ARCOT SAMPATH KUMAR  
DEVANAYAGAM. 51, RICHMOND ROAD, BANGA-  
LORE, KARNATAKA STATE, INDIA.

Application No. 40/Mas/76 filed March 2, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 3 Claims

A bidet and washing pan attachment for use with a commode comprising an enamelled iron or stainless steel pan having hinges placed behind the commode seat hinges, on a higher plane to secure said pan, the periphery of said pan fitting inside the inner periphery of the commode seat and being surrounded by a plastic seat and thereby evenly fitting over the commode seat with the pan suspended inside when the said pan is brought down for use, a spraying device centrally located at the bottom of said pan and connected by two plastic flexible pipes trailing at the under side of said pan, to two control taps located at the rear on either side of the said pan and connected to the said flexible pipes for supplying hot or cold water spray through the said spraying device.

CLASS 14B & C; & 69-I.

143008

Int. Cl. H05k 5/00.

#### IMPROVEMENTS IN OR RELATING TO COMPART- MENTS IN ELECTRICAL AND ELECTRONIC EQUIP- MENTS.

*Applicant & Inventor* : PHIROZE ARDESHIR PESTON  
JAMAS, C/O ARPPI INCORPORATED, PRABHADEVI  
INDUSTRIAL ESTATE, CADELL ROAD, BOMBAY-  
400 025, STATE OF MAHARASHTRA, INDIA.

Application No. 103/Bom/76 filed March 29, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 5 Claims

A compartment for cells in electrical or electronic equipment comprising at least two terminals placed at the extremities of the compartment, the said terminals being curved outwards at the base and inwards at the apex and inclined

inwards, the lid of the compartment having two arms one of which lies at the base of the two terminals and whose outer edge projects slightly out of the equipment body, the other arm having in its internal edge projecting pieces for holding the cell or cells, the lid being attached by screws to the body of the equipment on the intersecting edge of the two arms, the lid being capable of pivoting on the said screws, such that on exerting pressure on the projecting arm the coplanar arm is pushed upwards, opening the compartment, the projecting arm coming in between the terminals, the cell or cells being placed in the hollow formed within the lid.

CLASS 98-B. 143009

Int. Cl. G05d 23/12; 23/19.

#### A DRY SURFACE FLUID COOLING TOWER.

*Applicant* : THE MARLEY COMPANY, OF 5800 FOX-RIDGE DRIVE, MISSION, KANSAS, UNITED STATES OF AMERICA.

*Inventor* : HOMER EDMUND FORDYCE.

Application No. 1605/Cal/74 filed July 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 28 Claims

A dry surface fluid cooling tower comprising upright tubular structure defining a central plenum chamber therewithin and provided with heat exchange apparatus for receiving and bringing the fluid to be cooled into indirect thermal interchange relationship with air from the ambient atmosphere; wall means across the upper portion of the structure for blocking airflow therethrough;

a cluster of upright, tubular, open bottom and open top fan stack extending through the wall means in the direct path of ambient wind currents and in common communication with the plenum chamber; and a fan in each cylinder rotatable about a respective upright axis and operable to pull air in through the heat exchange apparatus form the surrounding ambient atmosphere and to then discharge such air vertically through respective stacks,

the stacks in said cluster being arranged to concentrate the energy of the air discharging from said stacks a sufficient extent to produce a discharge column capable of resisting recirculation of discharging air back to the structure.

CLASS 47-E & 49F. 143010

Int. Cl. C10b 25/00; 31/00.

#### CLOSURE FOR THE CHARGING HOLES OF COKE OVENS.

*Applicant* : DR. C. OTTO & COMP. GMBH, OF BOCHUM, WEST GERMANY.

*Inventor* : DR. ING. ROLF ROSSOW.

Application No. 1878/Cal/74 filed August 21, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

Closure for the charging holes in the roof of a coke oven which closure comprising a lid bearing on a frame inserted in brickwork, characterized in that the frame is constructed as a double frame, that an annular member for supporting the lid and forming a seal therewith bears via a resilient, refractory, thermally insulated intermediate stratum on an inner frame which is embedded in the brickwork and anchored therein and is detachably secured thereon.

CLASS 172-D, & F, 143011

Int. Cl. D01h 3/14; D02g 3/02.

#### METHOD AND DEVICE FOR SHAPED EFFECT YEARS WITH OR WITHOUT LADDERS.

*Applicant* : DSO "TEXTIL", 48, VOYVODINA MOGILA STREET, SOFIA, BULGARIA.

*Inventors* : GEORGI MITOV PETROV, ILIYA MARINOV ILIEV, & RANGEL GEORGIEV ILOV.

Application No. 1903/Cal/74 filed August 23, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims

A method for producing shaped effect yarns with or without ladders, where in order to obtain effects with ladders or like, through a rotating hollow spindle carrying a yarn body with a fibre, a stretched main fibre is being fed, around which the effect fibre and the fastening fibre twist the latter unwinding from a yarn body of the hollow spindle, wherein the effects are shaped and fastened by a fastening fibre after the stretched main fibre and the loose effect fibre pass simultaneously through a set of rollers whose pressure in continuously regulated and fibres are not twisted in the hollow spindle with the fastening fibre but twist with it between the differentiator-regulator and the pulling rollers and as a result of the rotation of the differentiator-regulator the ready yarn with effects comes out.

CLASS 23E & 32F<sub>sub</sub>. 143012

Int. Cl. C07c 87/14; 87/28; 87/48.

#### A PROCESS FOR THE MANUFACTURE OF N, N, N'-TETRAPHENYLDIAMINOMETHANE.

*Applicant* : IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S.W.1, ENGLAND.

*Inventors* : ALAN CHARLES FARTHING AND ERIC SAMUEL NICHOLSON.

Application No. 2571/Cal/74 filed November 20, 1974.

Convention date November 29, 1973(55419/73) U.K

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 6 Claims. No drawings

A process for the manufacture of N, N, N', N'-tetraphenyl-diaminomethane which comprises reacting 2 molar proportions of diphenylamine with from 0.8 to 1.3 molar proportions of formaldehyde characterized in carrying out the reaction at a temperature below the melting point of the reaction mixture.

CLASS 29A & 67-C. 143013

Int. Cl. G06f 1/00.

#### A BINARY DATA PROCESSOR SYSTEM.

*Applicant* : BORROUGHS CORPORATION, OF BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

*Inventors* : (1) ROBERT STANLEY BARTON, (2) ALAN LYNN DAVIS, (3) ERWIN ARTHUR HAUCK, (4) DON MARTIN LYLE, (5) FLOYD DRAYTON TURNER & (6) JOHN RICHARD WERNER, (7) GARY WESLEY HODGMAN, & (8) MICHEL HERODOTUS MISSIOS

Application No. 2662/Cal/74 filed December 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 61 Claims

A binary data processor system comprising input circuit means (21) storage means (25), logic circuit means (27), output circuit means (29) and control means (23) coupled thereto for communication therebetween said storage means (25) comprising data files composed of data fields having data characters therein; and said input circuit means (21) adapted for receiving data files composed of data fields having data characters therein, one of said data fields containing a storage address for a data file in said data storage means (25).

CLASS 32-E &amp; 152-E.

143014

4 Claims

Int. Cl. C08g45/02; F16n 15/00.

**A PROCESS FOR THE MANUFACTURE OF ANTI-FRICTION POLYMERIC MATERIAL.**

*Applicant:* LENINGRADSKY METALLICHESKY ZAVOD IMENI XXII SIEZDA KPSS. OF SVERDLOVSKAYA, NABEREZHINAYA 18, LENINGRAD, U. S. S. R.

*Inventors:* NIKOLAI IVANOVICH PYLAEV. (2)  
VALERY YAKOVLEVICH PONOMAREV.

Application No. 157/Cal/75 filed January 27, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings

A process for the manufacture of antifriction polymeric material objects comprising thoroughly mixing the following components, in parts by weight :

epoxy binder	36—48
glass cloth or fibre cloth	42—44
polytetrafluoroethylene of	2—22
crystallinity 0.60	2—22

wherein the epoxy binder is an epoxy resin of molecular weight from 360 to 470 and containing 20% of epoxy groups, which includes 20 parts by weight of dibutylphthalate plasticizer and 10 to 12 parts by weight of polyethylene-polyamine curing agent per 100 parts by weight, loading into an appropriate mould at a specific pressure of 400-500 kg/sq. cm. and curing by allowing the mass to stand in mould for 24 hours at room temperature.

CLASS 85-G &amp; P. &amp; 141A.

143015

Int. Cl. C22b 1/14; F27b 9/36.

**IMPROVED COMBUSTION SYSTEM FOR PELLETIZING APPARATUS OF THE TRAVELLING GRATE TYPE.**

*Applicant:* METALLGESELLSCHAFT AKTIENGESELLSCHAFT, 6, FRANKFURT AM MAIN, REUTERWEG 14, FEDERAL REPUBLIC OF GERMANY.

*Inventor:* GUY PALMER LEIGHTON.

Application No. 1988/Cal/75 filed October 15, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

In a pelletizing apparatus of the travelling grate type for heat indurating compacted ore bodies, comprising a drying zone, a firing zone and a cooling zone, an improved combustion means comprising :

at least one vertically extending chamber adjacent the firing zone, said chamber communicating proximate its lower end with the firing zone, fuel injection means vertically oriented in the upper end of said chamber means for introducing recuperated air from the cooling zone into the upper end of said chamber.

CLASS 194C10c.

143016

Int. Cl. H01j 1/48.

**IMPROVEMENTS IN OR RELATING TO THE MANUFACTURE OF GRIDS FOR TRANSMITTING TUBES HAVING THORIATED TUNGSTEN CATHODES.**

*Applicant:* COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFT MARG, NEW DELHI-1, INDIA.

*Inventors:* GOBINDER SINGH SIDHU & ROY MATHEW.

Application No. 2213/Cal/75 filed November 19, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

A process for the manufacture of grids for transmitting tubes having thoriated tungsten cathode by winding wire made of molybdenum or tungsten or their alloys into a helix supported on molybdenum stay rods or of like form characterised in that the helix and the stay rods are coated with a solution of molybdenum powder and graphite powder in a medium such as nitrocellulose, methanol and amyl acetate in the following approximate proportion by weight :

Ingredient	Percentage by Weight of Composition	
1. Molybdenum Powder	12.25 per cent	} $\pm 5$ per cent
2. Graphite Powder	12.25 per cent	
3. Nitrocellulose	1.25 per cent	
4. Methanol	31.00 per cent	
5. Amyl Acetate	43.25 per cent	

CLASS 85Q.

143017

Int. Cl. F27b 7/10, 7/22 &amp; 7/32.

**IMPROVEMENTS RELATING TO ROTARY DRUMS.**

*Applicant:* F. L. SMIDT & CO. A/S, OF 77, VIGERSLEV ALLE, DK-2500 VALBY COPENHAGEN, DENMARK.

*Inventors:* POUL RASMUSSEN AND HELGE CARL CHRISTIAN KARTMAN.

Application No. 30/Cal/76 filed January 3, 1976.

Convention date January 22, 1975/(2842/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A rotary drum for treating liquid, pulverous or granular material, the drum having a steel shell fabricated from a number of ring-shaped sections which are welded together in axial alignment, and at least one of the sections incorporating at least one cast steel element, which is welded into and forms a part of the ring, and which also acts as means contributing to the treatment or advancement of material inside and/or outside the drum shell, or as support for such means.

CLASS 208.

143018

Int. Cl. C09d 11/00.

**IMPROVED PREPARATIONS FOR PRINTING TEXTILES.**

*Applicant:* AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, P.O. POLYTECHNIC, AHMEDABAD-15, GUJARAT, INDIA.

*Inventors:* JAGDISHCHANDRA RAMANLAL MODI AND AMOL WASUDEV PALEKAR.

Application No. 423/Bom/74 filed December 4, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims. No drawings

An improved preparation such as paste for pigment printing of textile material comprising inorganic or organic pigment/colours or dye, pigment binder, vehicle such as mineral oil emulsion, optionally other auxiliaries like urea, glycerine, carboxymethyl cellulose, gum, sodium alginate and diesel oil and containing one or more corrosive catalysts of acidic nature such as ammonium nitrate, ammonium chloride, ammonium sulphate, ammonium phosphate, ammonium sulphamate, organic acid and their salts, characterised in that there is incorporated in the preparation one or more of the inhibitors being substances selected from the group consisting of carbamic acid, thiocarbamic acid, phosphoric acid, and derivatives thereof such as urea, thiourea and acid salts of phosphoric acid.

## CLASS 129A &amp; G.

143019

Int. Cl.-B21c 37/26, B65h 81/00.

A METHOD OF, AND AN APPARATUS FOR HELICALLY WINDING OF A BAND ON A TUBE TO FORM A HELICALLY FINNED TUBE.

*Applicant* : BALCKE-DURR AKTIENGESSELLSCHAFT, 4030 RATINGEN, HOMBERGER STRASSE 2, GERMANY.

*Inventors* : ALFRED JOEKEL, HANS LANGEN AND PETER DENNER.

Application No. 192/Bom/75 filed July 14, 1975.

Addition to No. 275/Bom/74.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 8 Claims

A process for the helical winding of at least two bands, onto a tube to form a helical finned tube which is a modification of the process as claimed in claim 1 of India Patent Specification number : 140504, in which the tube is rotated and the bands are adapted by cold forming to the radius of the tube while the bands are pulled smoothly over the tube under the application of a tensile force and deformation which increases from the base edge of the band to the outer edge, each band having at its base edge a flange which is obliquely inclined to the body of the band prior to application of the band to the tube, the band being stretched by mechanical means immediately before application to the tube, the flange being pressed back after application of the band onto the tube to a substantially right-angled position with respect to the body of the band, each of the band being drawn from a respective roll and being wound simultaneously on to the tube whereby to form a multiple-threaded helix on the tube, and the application zones of the bands to the tube being distributed evenly around the circumference of the tube.

## CLASS 154H.

143020

Int. Cl.-D06p 1/00.

## PROCESS OF PRINTING TEXTILES.

*Applicant* : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, P.O. POLYTECHNIC, AHMEDABAD-380015, GUJARAT, INDIA.

*Inventors* : JAGDISHCHANDRA RAMANILAL MODI AND AMOL WASUDEV PALEKAR.

Application No. 231/Bom/76 filed July 13, 1976.

Division of Application No. 423/Bom/74 filed December 9, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 2 Claims. No drawings

Process of printing textile material comprising printing the said material with a printing preparation, such as a paste, comprising inorganic or organic pigment/colours or dyes, pigment binder, vehicle such as mineral oil emulsion, optionally other auxiliaries, such as urea, glycerine, carboxymethyl cellulose, gum, sodium alginate and diesel oil, one or more of corrosive catalysts such as ammonium nitrate, ammonium chloride, ammonium sulphate, ammonium phosphate, ammonium sulphate, organic acids such as citric and tartaric acids and their acidic salts, and at least one inhibitor being a substance selected from the group consisting of carbamic acid, thiocarbamic acid, phosphoric acid and derivatives thereof such as urea, thiourea and acid salts of phosphoric acid, drying the printed material at a temperature ranging from 70°C to 100° and cured by heating at a temperature ranging from 100° to 160°C for one to four minutes.

CLASS 108-C, C<sub>2</sub> & C<sub>3</sub>.

143021

Int. Cl. C21c 5/28; 5/42.

A PROCESS FOR REDUCTION OF REDUCIBLE METAL OXIDES IN INDUCTION HEATED FURNACES.

*Applicant* : UDDEHOLMS AKTIEBOLAG, OF UDDEHOLM, HAGFORS, SWEDEN.

*Inventors* : KARL ERIK OBERG & LARS-GUNNAR NORBERG.

Application No. 1978/Cal/74 filed September 3, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 22 Claims

A process for reducing a reducible metal oxide to metal by reaction with a reducing agent in a body of molten metal in a converter having means for introducing metal into and means for removing metal from the converter at least one tuyere for introducing a gas/solid suspension into the converter at a level that will be below the surface of the molten metal when the converter is in its vertical operating position; said converter being associated with at least one heating zone spaced away from the converter, the heating zone having at least one channel in liquid communication with the converter; the channel opening into the converter at a level that will be below the surface of the molten metal when the converter is in its vertical operating position and essentially in the region of that point in the converter which is the deepest point when the converter is in its vertical operating position; said heating zone being filled with metal, and having means for heating the contents of the zone by electric induction heating; the process comprising introducing metal into the converter, heating the metal in the heating zone so that a body of molten metal is formed in the converter and in the heating zone and a temperature gradient is established between the molten metal in the heating zone and the molten metal in the converter thereby forcing the hotter metal from the heating zone out into the deepest region of the converter outside the channel opening; introducing the metal oxide suspended in a carrier gas into the body of molten metal in the converter through at least one of said tuyeres, directing the suspension towards that region of the converter where the heating channel is located so as to bring about replacement of the hotter metal in the deepest region of the converter outside the channel opening by colder metal from other parts of the converter; and removing molten metal from the converter.

CLASS 24-D<sub>1</sub> & 158-D.

143022

Int. Cl. B61k 7/08.

DEVICE FOR CONTROLLING THE TIME/PRESSURE RELATIONSHIP IN A COMPRESSED AIR RESERVOIR.

*Applicant* : WERKZEUGMASCHINENFABRIK OERLIKON-BUHRLE AG, OF BIRCHSTRASSE 155, 8050 ZÜRICH, SWITZERLAND.

*Inventor* : ROBERT CHAPPEZ.

Application No. 2700/Cal/74 filed December 6, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A device for controlling the pressure in a main reservoir comprising, a controlling line, a valve, a piston for operating said valve, a cylinder divided by said piston in two chambers, a throttle connecting said two chambers, an auxiliary reservoir, connected to one of said chambers, said main reservoir being connected to the other of said chambers, resilient means biasing the piston in the direction of opening of the valve, said valve connecting said controlling line with said other chamber, said valve is arranged for controlling the connection between said controlling line and said other chamber connected to said main reservoir.

## CLASS 129-G.

143023

Int. Cl. B24b 33/02.

## LONG BORE HORIZONTAL HONING MACHINE.

*Applicant & Inventor* : KANWAL NARAYAN SHARMA, OF D-30, SOUTH EXTENSION PART II, NEW DELHI-110049, INDIA.

Application No. 552/Cal/75 filed March 20, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 5 Claims

A long bore horizontal honing machine comprising of a sliding bed which carries on it, a system giving traverse and rotary motion and tool pressure to honing head, consisting of stationary pressure cylinder for pushing feed rod, live pressure head, reduction gear box with hollow output shaft, motor for rotary drive, motor pump for hydraulic system and box construction for mounting main driving shaft which is coupled to hollow output shaft of reduction gear box by means of flexible coupling, with all the components of the system mounted on a common base plate to form carriage assembly which gets its traverse motion from a long drive screw driven by traverse arrangement fixed outside the bed.

CLASS 47-G &amp; 146-C.

143024

Int. Cl. G05b 7/00, G05d 23/22; C10j 3/78.

PROBE DISPOSED IN A HIGH-PRESSURE CHAMBER.

*Applicant*: DR. C. OTTO & COMP. GMBH., OF BOCHUM, WEST GERMANY.

*Inventors*: WILHELM DANGUILLIER AND HELMUT POLOCZEK.

Application No. 1664/Cal/75 filed August 28, 1975.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A probe disposed in a high-pressure chamber and on a rod taken out through the chamber wall characterised in that the rod inside a sleeve (screwthreaded sleeve) provided with an external screwthreading passes through a tube which is connected to the metal lining of the wall and is adapted to be shut off by a cock and which passes through the plug of the open cock and terminates on the outside in a screwhead, the interior of which is adapted to be shut off and is provided with a pressure gas inlet, the screwthreaded sleeve being screwed in pressure-tight relationship into the screwhead bore which is situated in the direction of the axis of the sleeve and which is provided with an internal screwthreading, and the rod and the screwthreaded sleeve which outside the screwhead is provided with a pressure-tight closure are detachably interconnected outside the screwhead.

CLASS 32F, 3C &amp; 55E.

143025

Int. Cl.-A61k 21/00.

DEMETHYLATION OF AMINOGLYCOSIDE ANTI-BIOTICS.

*Applicant*: KYOWA HAKKO KOGYO CO., LTD., 6-1, OHTEMACHI NICHOME, CHIYODA-KU, TOKYO, JAPAN.

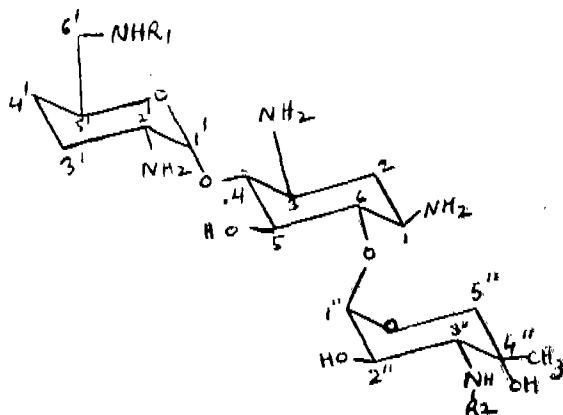
*Inventors*: SHINJI TOMIOKA, AND YASUKI MORI.

Application No. 2118/Cal/75 filed November 5, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A process for the production of compounds of formula (I).



in which  $R_1$  and  $R_2$  are selected from hydrogen and methyl with the proviso that both  $R_1$  and  $R_2$  will not be methyl at the same time which process comprises reacting the corresponding compound, in which  $R_1$  and  $R_2$  are selected from the group of hydrogen and methyl provided that both  $R_1$  and  $R_2$  are not simultaneously hydrogen, at a temperature of from  $-20^\circ$  to  $100^\circ\text{C}$  for 0.5 to 50 hours at a pH 4-12 in an inert solvent with an oxidizing agent being selected from the group consisting of iodine, potassium ferricyanide, air and potassium permanganate.

CLASS 32F.c.

143026

Int. Cl. C07c 37/14 &amp; 37/16.

AN IMPROVED PROCESS FOR THE PREPARATION OF PARA-TERTIARY BUTYL PHENOL.

*Applicant*: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-1, INDIA.

*Inventors*: KSHITINDRA KUMAR BHATTACHARYYA, RAGHUBIR SINGH GAHARWAR & PREM KISHORE SHARMA.

Application No. 26/Cal/76 filed January 3, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 9 Claims. No drawings

An improved process for the preparation of para-tertiary butyl phenol by alkylation of phenol in liquid phase in the presence of a solid cation exchange resin catalyst, characterised in that the said catalyst comprises sulfonated poly styrenedivinyl benzene copolymer resin containing 2-8% of divinyl benzene and 4-5.5 milli equivalent of  $\text{SO}_3\text{H}$  group per gram of the dry resin.

CLASS 24E.

143027

Int. Cl.-B60t 17/00.

IMPROVEMENTS IN INTERNAL SHOE-DRUM BRAKES AND AN ADJUSTER FOR THE SHOES OF THE BRAKES.

*Applicant*: GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM, 11, ENGLAND.

*Inventor*: GLYN PHILLIP REGINALD FARR.

Application No. 1175/Cal/75 filed May 29, 1974.

Convention date June 16, 1973/(28723/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

An internal shoe-drum brake of the kind set forth incorporating transmission means for operating the adjuster, the transmission means being arranged to sense relative movement between the tappets which act on the shoes and separate adjacent shoe-ends in the application of the brake, and the transmission means comprising a flexible inextensible member carried by one tappet, and a casing in which the inextensible member is movable and which is carried by the other tappet, the free end of the flexible inextensible member which is remote from the said one tappet being connected to the adjuster.

CLASS 139A.

143028

Int. Cl.-B30b 11/32, C01b 31/06.

METHOD OF MAKING RD DIAMOND PARTICLES.

*Applicant*: DE BEERS INDUSTRIAL DIAMOND (IRELAND) LIMITED, OF 24, INDUSTRIAL ESTATES, SHANNON AIRPORT, COUNTY CLARE, REPUBLIC OF IRELAND.

*Inventors*: ALEXANDER ROSE ROY AND ANTHONY BAYLISS, CLARKE.

Application No. 2026/Cal/74 filed September 11, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

A method of making RD diamond particles including the steps of providing a reaction zone, placing a body of carbonaceous material in contact with a body of solvent metal in the reaction zone, the carbonaceous material being in the form of a sleeve around a core of the solvent metal and the ratio of the width of the sleeve to the diameter of the core being in the range of 1:20 to 1:5, and subjecting the contents of the reaction zone to conditions of temperature and pressure in the diamond growing region of the carbon phase diagram (as hereinbefore described) and for a time suitable for RD diamond growth whereby zones of weakness are produced in the carbonaceous material and the solvent metal penetrates these zones of weakness and RD diamond particles are produced.

CLASS 32E.

143029

Int. Cl.-C08f 3/30.

**BULK POLYMERIZATION OF VINYL HALIDE POLYMERS AND COPOLYMERS INCORPORATING STABILIZERS THEREFOR.**

*Applicant* : HOOKER CHEMICALS & PLASTICS CORP., OF NIAGARA FALLS, NEW YORK, U.S.A.

*Inventor* : GILBERT WITSCHARD.

Application No. 2650/Cal/74 filed November 28, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings

A process for the preparation of a stabilized vinyl halide homopolymer, vinyl halide copolymer or vinyl halide graft copolymer containing upto 50% of a ethylenically unsaturated monomer copolymerizable therein comprising bulk polymerizing a monomer or monomers in intimate admixture with about 0.1 to about 10% based upon the weight of said monomer or monomers of a metal salt stabilizer comprising the salt or mixtures thereof a metal selected from the group consisting of calcium, magnesium, strontium, barium, manganese, cadmium, zinc, tin (stannous and stannic), lead and carboxylic acids having a chain length of about 6 to about 18 carbon atoms, and a member of the group consisting of an epoxide stabilizer an organic phosphite stabilizer and mixtures thereof.

CLASS 107H.

143030

Int. Cl.-C02b 19/18.

**IMPROVEMENTS IN SUPERCHARGED INTERNAL COMBUSTION ENGINES, IN PARTICULAR DIESEL ENGINES.**

*Applicant* : FRENCH STATE, OF 4, AVENUE DE LA PORTS D'ISSY, 75996, PARIS ARMEES, FRANCE.

*Inventors* : JEAN MELCHIOR AND THIERRY ANDRE-TALAMON.

Application No. 607/Cal/75 filed March 25, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

A power plant comprising : an internal combustion engine; turbocompressor set for supercharging the engine and comprising a compressor, a turbine driving the same and a passage communicating with the compressor outlet and the turbine inlet and serving to return to the turbine all that part of the compressor delivery which does not pass through the engine, the engine comprising a variable-volume working chamber so communicating via an inlet duct with the compressor outlet and via an exhaust duct with the turbine inlet as to be in parallel with at least some of the passage; an auxiliary combustion chamber divided into an upstream primary combustion zone, to which fresh air is supplied through the passage and fuel is supplied by a fuel supply system, and a downstream secondary dilution zone, to which fresh air is supplied through the passage and combustion gases through the exhaust duct, the secondary zone delivering hot gases to the turbine to help drive the same; and restricting means in the passage adapted to produce, between the air leaving the compressor and the

gases entering the turbine, a pressure drop which is substantially independent of the ratio of the rate of air flow through the passage to the total air delivery from the compressor but which varies in the same direction as the pressure in such passage upstream of the restricting means; in which power plant the passage is divided into two parallel arms, a first such arm having the restricting means and terminating downstream of the primary combustion zone, the second arm of the passage being connected to the primary zone via at least one orifice of a cross-section such that the pressure drop is produced substantially between the upstream and downstream ends of the orifice, and the fuel supply system entering the primary zone in the region of the turbulence produced therein by the arrival of air through the orifices.

CLASS 99H.

143031

Int. Cl.-B65d 89/02.

**CONTAINER FOR LIQUID, PASTES OR POWDERS.**

*Applicant* : KONINKLIJKE EMBALLAGE INDUSTRIE VAN LEER B.V., OF AMSTERDAMSEWEG 206, AMSTELVEEN, THE NETHERLANDS.

*Inventor* : OSCAR JACQUES VAN LEER.

Application No. 1189/Cal/75 filed June 17, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

Container for liquids, pastes or powders, which container has the form of a three dimensional polygon, the side-planes of which consisting of identical in particular congruent triangles, characterized in that the container consists of six triangular planes which three by three meet with the top angles in two opposite points and placed with their bases against each other.

CLASS 71B &amp; 149F.

143032

Int. Cl.-E02d 11/00, 17/08.

**A SELF SUPPORTING SHEETING PANEL FOR SHORTENING TRENCHES.**

*Applicant & Inventor* : JOSEF KRINGS, OF D 5138 HEINBERG OBERBRUCH, HANS-BOCKLER-STRASSE 23, GERMAN FEDERAL REPUBLIC.

Application No. 1460/Cal/75 filed July 25, 1975.

Convention date September 2, 1974/(38225/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

A sheeting panel for trenches or the like comprising a generally rectangular frame, a pair of cover plates secured to opposite faces of said frame and forming therewith a chamber, foam plastic filling said chamber, and reinforcing means imbedded in said foam plastic whereby the sheeting panel is reinforced for resisting loads placed thereon by earth when used for shortening trenches or the like.

CLASS 32F.b.

143033.

Int. Cl.-C07d 41/08.

**A PROCESS FOR THE PREPARATION OF NEW HEXA-HYDROAZEPINE DERIVATIVES.**

*Applicant* : JOHN WYETH & BROTHER LIMITED, OF HUNTERCOMBE LANE SOUTH, TAPLOW, MAIDENHEAD, BERKSHIRE, ENGLAND.

*Inventors* : JOHN FREDERICK CAVALLA AND ALAN CHAPMAN WHITE.

Application No. 472/Cal/76 filed March 18, 1976.

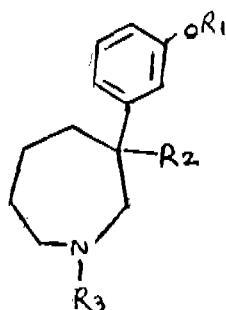
Convention date August 16, 1968/(39201/68) U.K.

Division of Application No. 2101/Cal/74 filed September 21, 1974.

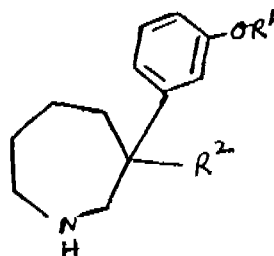
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

A process for the preparation of new hexahydroazepine derivatives of the general formula (I).



or the acid addition or quaternary ammonium salts thereof, in which R<sup>1</sup> is a hydrogen atom, a lower alkyl radical or a benzyl radical, R<sup>2</sup> is a lower alkyl radical (R<sup>3</sup> is lower alkyl, lower alkenyl, lower alkynyl, cyclopropylmethyl, phenacyl or phenethyl group (which may be substituted in the benzene ring) of 6-benzoyloethyl radical (which may be substituted in the benzene ring) and the term "lower" means that the radical contains up to 6 carbon atoms which process comprises "alkylating" in a known manner as hereinbefore defined a compound of formula (II).



in which R<sup>1</sup> and R<sup>2</sup> are as defined above and, if desired, de-etherifying in a known manner such as hereinbefore described a compound of formula (I) in which R<sup>1</sup> is a lower alkyl or benzyl radical to give a compound in which R<sup>1</sup> is hydrogen, or reacting a free base of formula (I) which an acid or quaternising agent to form an acid addition or quaternary ammonium salt, thereof.

CLASS 32E.

143034.

Int.Cl.-C08f 1/46.

## PROCESS FOR THE POLYMERISATION OF OLEFINES

*Applicant* : SOLVAY & CIE, OF 33, RUE DU PRINCE ALBERT, B-1050 BRUSSELS, BELGIUM.

*Inventors* : EUGENE BERGER AND CHARLES BIENFAIT.

Application No. 616/Cal/76 filed April 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 22 Claims. No drawings.

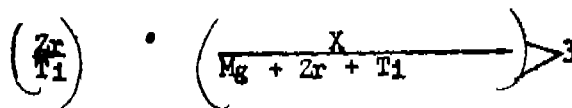
Process for the polymerisation of alpha-olefines which is carried out in the presence of a catalyst system comprising an organo-metallic compound of a metal of groups I<sub>a</sub>, II<sub>a</sub>, II<sub>b</sub>, III<sub>b</sub> and IV<sub>b</sub> of the periodic table and a solid catalyst complex prepared by reacting with one another :

(1) at least one magnesium compound (M) chosen from amongst the oxygen-containing organic compounds and the halogen-containing compounds of this metal,

(2) at least one titanium compound (T) chosen from amongst the oxygen-containing organic compounds and the halogen-containing compounds of this metal,

(3) at least one zirconium compound (Z) chosen from amongst the oxygen-containing organic compounds and the halogen-containing compounds of this metal and

(4) at least one aluminium halide (A), characterised in that the compounds (M), (T), (Z) and (A) are employed in amounts such that they satisfy the equation,



where Mg, Zr, Ti and X represent the amounts, expressed in gram equivalents, of magnesium, zirconium, titanium and halogen employed.

CLASS 28A &amp; C. &amp; 180.

143035.

Int.Cl.-F23d 9/00, F24c 5/10, 5/20, 5/16.

## SAFETY BURNER.

*Applicant & Inventor* : SM. SUNANDA DAS GUPTA, OF 5H, CORNFIELD ROAD, CALCUTTA-700019, WEST BENGAL, INDIA.

Application No. 864/Cal/77 filed June 10, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A safety burner comprising a body fitted centrally with a jet, a specially designed throttle valve attached to the jet, an overhead storage tank for liquid fuel connected with the said throttle valve of the jet by means of flexible transparent pipe.

CLASS 39E &amp; 40B.

143036.

Int.Cl.-B01j 9/04, 11/34, C07b 1/00, 3/00.

## PROCESS FOR PREPARING CHROMIUM-CONTAINING CATALYSTS USEFUL FOR OXIDATION REACTIONS.

*Applicant* : THE STANDARD OIL COMPANY, OF MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

*Inventors* : ROBERT KARL GRASSILLI, ARTHUR FRANCIS MILLER AND WILFRIE GARSIDE SHAW.

Application No. 1972/Cal/74 filed September 3, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims. No drawings.

A process for the preparation of a catalyst composition having the empirical formula

A<sub>a</sub> D<sub>b</sub>Ni<sub>c</sub> Co<sub>d</sub> Cr<sub>e</sub> Bi<sub>f</sub> Mo<sub>g</sub> O<sub>h</sub>  
wherein A is an alkali metal, Ti, In, Ag,

Cu, rare earth or mixture thereof; and

D is P, As, Sb, Sn, Ge, B, W, Th, V, Ti, Si or mixture thereof; and wherein 4>a>0 and 4>b>0;

29>c>0 and 20>d>0 with

c+d greater than or equal to 0.1; e is 0.1 to 10; f is 0.01 to 6; and x is the number of oxygens required to satisfy the valence requirements of the other elements present and is greater than zero, in which the elements of the catalyst are combined in a manner such as hereinbefore described and the catalyst is calcined at an elevated temperature, such as herein described.

CLASS 194 c43

143037.

Int. Cl. H01j 1/13.

## METHOD OF MAKING THERMIONIC CATHODES.

*Applicant* : BBC BROWN BOVERI & COMPANY LIMITED, OF CH-5401, BADEN, SWITZERLAND.

*Inventors* : DR. ROBERT BACHMANN, CHARLEY BUXBAUM, AND DR. GERNOT GESSINGER.

Application No. 1989/Cal/74 filed September 4, 1974.

Convention date July 8, 1974 (33098/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A method of making a thermionic cathode comprising a support substance of at least one high-melting metal an

active substance comprising an oxide of a rare earth metal and a reducing agent by pressing and sintering mixtures of the aforesaid substances characterised by forming a mixture of 0.2-5% La<sub>2</sub>O<sub>3</sub> powder and 95-99.8% granulated support substance such as herein described having a granulometry of not more than 5/φ, and carburizing the pressed and sintered mixture.

CLASS 149A & B.

143038.

Int. Cl. E02d 7/00; 13/04.

#### IMPROVED COMPACT FORMATIONS AND A METHOD OF CONSTRUCTING SAME.

*Applicants & Inventors:* ASHOK KUMAR OF 125-KASHIRAM STREET, KHATAULI DIST. MUZAFFARNAGAR) U.P. INDIA. & VIJAY KUMAR OF 125-KASHIRAM STREET, KHATAULI (DIST MUZAFFARNAGAR) U.P. INDIA.

Application No. 2325/Cal/74 filed October 21, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

21 Claims.

Method of constructing compact formations such as piles or diaphragm walls resting on a harder stratum or rock comprising initially making a hole or trench to the required batter in the ground the hole or trench being subsequently filled upto the desired level with cement concrete or required aggregates and the like: characterised in that the material so filled in the hole or trench is driven down and compacted along with the strata there around with a retractable core or driving string engaging, if desired, a reinforcement cage towards its far end, said string being guided to the required batter by means from above the ground, driving the said driving string to a part or full depth of the hole or trench; feeding in more and more fresh concrete as and when required during driving until a compact formation resting on the said harder stratum is formed.

CLASS 25A & B & 35E.

143039.

Int. Cl. F27d 1/04.

#### A METHOD FOR THE PRODUCTION OF SHAPED ARTICLES.

*Applicant:* FOSECO INTERNATIONAL LIMITED, OF LONG ACRE, NICHOLLS, BIRMINGHAM, B7 5JR, ENGLAND.

*Inventor:* DAVID JOHN ANDERSON.

Application No. 2629/Cal/74 filed November 25, 1974.

Convention date November 26, 1973 (54690/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims. No drawings.

A method for the production of shaped articles of a fibre-containing refractory heat-insulating composition, which comprises mixing together a granular or powdered refractory material, fibrous material, an amount of a foaming agent sufficient to cause the composition to foam during the mixing operation, and a binding agent selected from a colloidal oxide hydrosol, starch natural gums, natural resins, or polyvinyl alcohol or acetate, forming the composition to the desired shape causing or allowing the binding agent to set or harden, and drying the shape.

CLASS 153 & 170-C.

143040.

Int. Cl. B24d 3/00.

#### A METHOD OF MAKING AN ABRASIVE PRODUCT.

*Applicant:* EDENVALE ENGINEERING WORKS (PROPRIETARY) LIMITED, OF 45 MAIN STREET, JOHANNESBURG, TRANSVAAL, REPUBLIC OF SOUTH AFRICA.

*Inventor:* CORNELIUS PHAAL.

Application No. 426/Cal/75 filed March 5, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A method of making an abrasive product including the steps of providing a mixture of needle-shaped abrasive par-

ticles and starter ingredients for a bounding matrix, placing the mixture in a passage, causing the mixture to flow down the passage by applying a pressure to the mixture thereby orientating the particles with their long axes substantially in the direction of flow, and causing the particles to set at least partially.

CLASS 32F<sub>2</sub>b & 35E ..

143041

Int. Cl. C07d 63/22.

#### METHOD OF PREPARING 1, 1-DIOXIDES OF 3-ALKOXY-2-THIANAPHTHENE-2-CARBOXAMIDES.

*Applicant:* SOCIETE D'ETUDES SCIENTIFIQUES ET INDUSTRIELLES DE L'ILE-DE-FRANCE OF 46 BOULEVARD LATOUR MAUBOURG 75 PARIS 7, FRANCE.

*Inventor:* MICHEL LEON THOMINET.

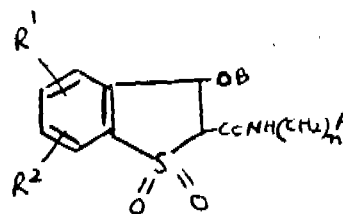
Application No. 1854/Cal/75 filed September 30, 1975.

Division of application, No. 122428 filed July 24, 1969.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

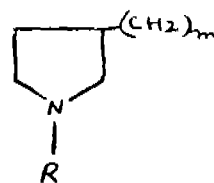
A process for preparing 1, 1-dioxides of substituted or unsubstituted 3-alkoxy thianaphthene-2-carboxamides of the general formula 1.



in which A represents:

—either a mono or a dialkylamino radical of low molecular weight in which the alkyl groups are connected together to form a ring with or without nitrogen, oxygen or sulphur, and when the ring contains a nitrogen atom, the nitrogen atom can be joined to an alkyl group of low molecular weight as for example pyrrolidinyl, piperidinyl, imidazolidinyl, piperazino, morpholino, thiazolidinyl.

—or a heterocyclic radical of the formula 3.



—R being a low molecular weight alkyl or allyl radical

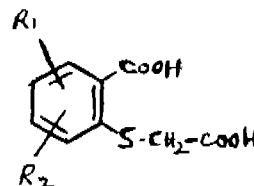
—m being an integer of less than 4

—B can be a low molecular weight alkyl or an allyl radical

—n is equal to 1, 2 or 3

—R<sub>1</sub> and R<sub>2</sub> can be hydrogen, a low molecular weight alkoxy radical, a halogen such as chlorine, bromine, iodine, a nitro or an amino radical, which process comprises the following steps—

(a) oxidation in known manner or a substituted or unsubstituted 2-(carboxymethylthio) benzoic acid of formula 2.



in which R<sub>1</sub> and R<sub>2</sub> are as defined above,

(b) esterification in a manner such as hereinbefore described of 2-(carboxymethyl sulfonyl) benzoic acid obtained from step (a),

(c) cyclisation of alkyl 2-(alkoxycarbonylmethyl sulfonyl) benzoate by an alkaline alcoholate,

(d) halogenation in a manner such as hereinbefore described of the 1, 1-dioxide of alkyl 3-hydroxy thianaphthene 2-carboxylate,

(e) treatment of 1, 1-dioxide of alkyl 3-halothianaphthene 2-carboxylate with an alkaline alcoholate, followed by

(f) amidation in a manner such as hereinbefore described of so obtained 1, 1-dioxide of alkyl 3-alkoxy thianaphthene 2-carboxylate to produced the desired compounds of formula 1.

CLASS 129Q.

143042.

Int. Cl. B23k 9/08.

**METHODS AND DEVICES FOR CUTTING, ERODING, WELDING AND DEPOSITING METALLIC AND NON-METALLIC MATERIALS BY MEANS OF AN ELECTRIC ARC.**

*Applicant* : SECHERON SOUDURE S.A., OF GLAND (VAUD, SWITZERLAND).

*Inventors* : ALBI RUDAZ. & LBERT FERRARI.

Application No. 95/Cal/76 filed January 16, 1976

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 Claims.

In a method of cutting, eroding, welding or depositing a metallic or non-metallic material by means of an electric arc the steps of : submitting the arc to a turning magnetic field by polyphase current so as to make the arc turn, and controlling the trajectory and the speed of at least one of the ends of the arc.

CLASS 136-C & F & 155F<sub>2</sub>.

143043.

Int. Cl. B29d 23/02, 23/04.

**A HOLLOW BODY SUCH AS PIPE SECTION OF PLASTIC MATERIAL AND METHOD OF MANUFACTURING SAME.**

*Applicant* : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

*Inventors* : PRESTON DEAN LIEBIG AND WILLIAM BARRETT HURLBUT, SR.

Application No. 413/Cal/76 filed March 8, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 14 Claims.

A hollow body such as a pipe comprising a resin bonded carrier and a lining and/or a coating layer provided on the carrier inner and/or outer wall, respectively, said layer(s) being contiguous with said wall(s) and fibrous reinforcing material extending partially into said carrier wall(s) and partially into said adjacent layers(s).

CLASS 69A & B.

143044.

Int. Cl. H01h 73/00.

**A MINIATURE CIRCUIT BREAKER.**

*Applicant & Inventor* : DHAIRYAKANT TRAMBAKLAL TRIVEDI, OF SHANTI NIKETAN, 10TH ROAD, KHAR, BOMBAY-400052, MAHARASHTRA STATE, INDIA. & SIDDHARTH NARENDRA BALSARI, OF DURGA PRASAD, 10TH ROAD KHAR, BOMBAY-52, MAHARASHTRA STATE, INDIA.

Application No. 267/Bom/76 filed October 4, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 8 Claims.

A miniature circuit-breaker defined hereinbefore wherein the conducting lever with moving contact-tip at one end is wulcrumed near the other end with a torsion spring, the other end of the conducting lever is connected to the coil of the electro magnet, the core of the electro-magnet comprises a non-magnetic cylindrical tube closed at its lower end, the tube is filled with oil and plugged at its top, upon an overload passing through the circuit, the iron slug moves up to the plug, and the slug attracts one arm of a spring-controlled right-angled lever armature, the perpendicular arm at the armature is pivoted and has a projection actuating a trip-catch mechanism, the movement of the trip-catch of the mechanism trips the conducting lever and separates the moving contact-tip from the fixed contact-tip and breaks the circuit as well as moves the dolly-lever to the off-position.

CLASS 179D & F.

143045.

Int. Cl.-B 67b 3/00.

**A FILLER CAP FOR A LIQUID RESERVOIR.**

*Applicant* : GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM 11, ENGLAND.

*Inventor* : JOHN FLORY PICKERING.

Application No. 1384/Cal/74 filed June 22, 1974.

Convention date July 12, 1973/(33397/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims.

A filler cap for a liquid reservoir, said cap comprising a two part construction, the parts being complementary and co-operating to form first and second chambers, wherein one of the parts (hereinafter referred to as the inner part) has a first vent opening which opens into the first chamber and, when the cap is mounted on a reservoir, connects the reservoir to the first chamber and the other part (hereinafter referred to as the outer part) has a second vent opening which opens into the second chamber and, when the cap is mounted on the reservoir, connects the exterior of the cap to the second chamber, and wherein a permanently open passageway extends through the chambers and connects the vent openings to each other.

CLASS 24D.

143046.

Int. Cl.-B60t 15/40.

**SPRING BRAKE ACTUATORS.**

*Applicant* : GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM, ENGLAND.

*Inventor* : DAVID WILLIAM GEE.

Application No. 1688/Cal/74 filed July 29, 1974.

Convention date September 4, 1973/(41470/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims.

A vehicle brake actuator comprising a piston working in a cylinder, resilient means biasing the piston forwardly away from an end wall of the cylinder towards a brake applying position, the piston being normally held off by the application of fluid pressure opposing the resilient biasing force, an elongate hollow member rotatably mounted in said end wall and extending forwardly thereof and having an internally screw-threaded portion, and a complementary externally screw-threaded member co-operating with the internally screw-threaded portion of the elongate hollow member for movement within the hollow member between extended and retracted positions and having an abutment engageable by the piston to limit forward movement of the piston, the piston being slidably guided on the external surface of the hollow member and the inner surface of the cylinder at axially and radially spaced positions and being retractable by the abutment from its brake applying position against the resilient biasing force by relative rotation of the screw-threaded member and the hollow member, wherein the screw-threaded member has such a length relative to the hollow member that the

screw-threaded member at no time extends axially outwardly beyond the rear end of the hollow member when the screw-threaded member is retracted into the hollow member to retract the piston.

CLASS 175F & 181. 143047.  
Int. Cl-B65d 53/02, F16f 15/12, F16j 15/46.

#### PNEUMATIC SEAL.

*Applicant*: LE JOINT FRANCAIS, OF 10 RUE DE LA BAUME, 75008 PARIS, FRANCE.

*Inventor*: JEAN FOURNIER.

Application No. 1694/Cal/74 filed July 30, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims.

Inflatable and deflatable pneumatic seal consisting of a profiled casing made of an elastomeric material, characterized in that, in the deflated condition, the casing comprises a flat base, a top collapsed on said base and at least one double thickness lateral side wall which is at least folded in and down on the collapsed top.

CLASS 179C & D & E. & F. 143048.  
Int. Cl-B65d 41/00, B67b 3/00.

#### IMPROVED CAP, CLOSURE OR STOPPER FOR BOTTLES AND LIKE CONTAINERS.

*Applicant & Inventor*: BINAY KUMAR SAHA, TRADING AS BON & CO., 73W, NARKELDANGA MAIN ROAD, CALCUTTA-54, WEST BENGAL, INDIA.

Application No. 1477/Cal/76 filed August 13, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims.

A cap, closure or stopper for bottles and the like containers comprising a thermoplastic cap having screw threads on its inner wall, a series of vertical ridges provided on its outer wall, wherein the said thermoplastic cap is push fitted into a metallic jacket having smooth inside surface characterised by that a circular raised bead is provided on the outer wall of the cap at the bottom end thereof.

CLASS 62-D & 154G & 155-D. 143049.  
Int. Cl. D06p 1/18; 7/00.

#### TRANSFER PRINTING PROCESS WITH SUBLIMABLE AZO DYESTUFFS.

*Applicant*: BAYER AKTIENGESellschaft, OF LEVER KUSEN, FEDERAL REPUBLIC OF GERMANY.

*Inventors*: GERHARD WOLFRUM, (2) WERNER KUHNEL, (3) ERICH KLAUKE, AND GERHARD BUTNER.

Application No. 2542/Cal/74 filed November 18, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims.

In a process for printing hydrophobic fibre materials by transfer printing process using paper as a temporary support the improvement which comprises employing azo dyestuffs, which are free from sulfo groups and which are sublimable in the range of from 140-250°C, preferably from 160-220°C, of the formula I of the accompanying drawings,

wherein

$X_1$  and  $X_2$  represent hydrogen or alkyl or cycloalkyl

radicals which are optionally substituted by nonpolar substituents and

$n$  represents 1-3.

and the benzene ring A can contain non-ionic substituents which are customary in dyestuff chemistry, and the benzene ring B and contain customary non-polar substituents, which do not significantly influence the sublimability of the base molecule in an amount of from 0.01-2.0 g/m<sup>2</sup> paper.

CLASS 32F, & F.b.

143050.

Int. Cl. C07d 27/00.

#### PROCESS FOR THE PREPARATION OF 2-AMINO-3-CARBALKOXY-IN-AMINOALKOXY INDOLE DERIVATIVES.

*Applicant*: HOECHST PHARMACEUTICALS LIMITED, OF HOECHST HOUSE, NARIMAN POINT, 193, BACKBAY RECLAMATION, BOMBAY-400021, (FORMERLY OF DUGAL HOUSE, BACKBAY RECLAMATION, BOMBAY-20, AND RAMON HOUSE, BACKBAY RECLAMATION BOMBAY-20,) MAHARASHTRA STATE, INDIA.

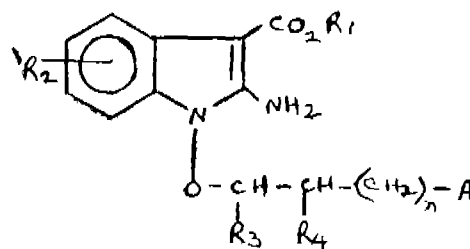
*Inventors*: KISHAN LAL MUNSHI, (2) BANI KANTA BHATTACHARYYA, (3) ALI HUSSEIN NOMANBHAI DOHADWALLA, (4) NOEL JOHN DE SOUZA, (5) HANS KOHL.

Application No. 108/Bom/75 filed April 18, 1975.

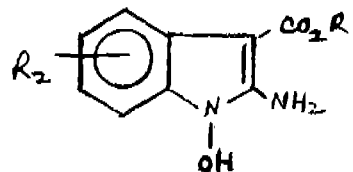
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 10 Claims.

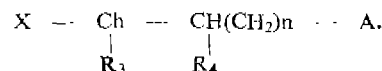
A process for the preparation of 2-amino-3-carbalkoxy-IN-aminoalkoxy indole derivatives of the general formula I.



wherein  $R_1$  stands for an alkyl radical of not more than 6 carbon atoms, for example the methyl radical,  $R_2$  stands for hydrogen or for one or more substituents selected from halogen atoms, for example fluorine, chlorine and bromine atoms; alkyl, alkoxy and alkylthio radicals of not more than 4 carbon atoms, for example methyl, ethyl, isopropyl, n-butyl, t-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy and methylthio radicals; halogenoalkyl and halogeno-alkoxy radicals for example trifluoromethyl and trifluoromethoxy radicals; alkylamino radicals for example, methylamino and dimethylamino radicals; acylamino radicals, for example, the acetyl amino radicals; nitro, cyano, hydroxy, amino, carboxyl and sulphonic acid groups,  $R_3$  and  $R_4$  stand for hydrogen or for an alkyl radical of not more than 3 carbon atoms, for example the methyl radical  $n$  stands for an integer of a value between 0 and 6,  $A$  stands for an amino group, an alkylamino group, for example a methylamino group, a dialkylamino group, for example a dimethylamino or diethylamino group, a tertiary amino group in a nitrogen heterocyclic radical linked through the nitrogen atom and pharmaceutically acceptable acid addition salts thereof, which process comprises reacting at a temperature not exceeding 5°C a compound of the formula II.



wherein  $R_1$  and  $R_2$  have the meaning given above, with an aminoalkyl halide of the formula



wherein  $A$ ,  $R_3$  and  $R_4$  have the meanings given above and  $X$  stands for chlorine, bromine or iodine, in the presence of a base such as herein described, stirring the reaction mixture for 24-hours at room temperature, and isolating the resulting products by conventional procedure such as herein described and if desired, converting the resulting products thus obtained to their pharmaceutically acceptable acid addition salts by reacting them with acids such as herein described.

CLASS 129-C.  
Int. Cl. B23b 43/00.

143051.

A GOOSE NECK ATTACHMENT FOR INCREASING THE VERTICAL REACH AND THE HORIZONTAL TRAVERSE OF HORIZONTAL BORING MACHINES.

*Applicant*: LARSEN & TOUBRO LIMITED, OF L & T HOUSE, BALLARD ESTATE, BOMBAY-400038, MAHARASHTRA, INDIA.

*Inventor*: MR. KANAYALAL JIWANLAL PHERWANI.

Application No. 315/Bom/75 filed November 10, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

10 Claims.

A goose-neck attachment for use with a horizontal boring machine for increasing the vertical reach and the horizontal traverse of said machine, said attachment comprising an elongate housing mountable on the ram or the Head Stock face of said machine and enclosing an input drive shaft at one end thereof and a driven shaft at another and thereof remote from said one end and drive means for driving said driven shaft by said drive shaft, coupling means being provided for coupling said drive shaft to the machine spindle for power transmission.

CLASS 40A.  
Int. Cl.-C07d 1/08.

143052.

PROCESS FOR THE CATALYTIC EPOXIDATION OF OLEFINIC COMPOUNDS.

*Applicant*: RHONE-POULENC S.A., OF 22, AVENUE MONFAIGNE, PARIS 8e, FRANCE.

*Inventors*: PIERRE-ETIENNE BOST AND MICHEL COSTANTINI.

Application No. 1297/Cal/74 filed June 13, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

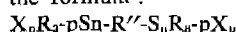
41 Claims.

Process for the catalytic epoxidation of an olefinic compound such as herein described which comprises treating the compound with a hydroperoxide in the presence of a tin catalyst of the formula



in which

m and p are positive integers, such that  $m+p=4$ , with  $p=1, 2$  or  $3$ , X is a halogen atom and R is a monovalent organic radical or two said radicals R together form a divalent radical R'', said divalent radical being attached to a single tin atom, or to two different tin atoms giving a compound of the formula:



and if desired, regenerating the catalyst employed by a method such as herein described.

CLASS 62C, & 154H.  
Int. Cl.-D06p 1/38, 1/70.

143053.

TEXTILE DYEING AND PRINTING PROCESS.

*Applicant*: UCB, S.A., OF 4, CHAUSSEE DE CHARLE-ROI, SAINT-GILLES-LEZ-BRUXELLES, BELGIUM.

*Inventor*: AMRUT VITHALDAS MODY.

Application No. 1786/Cal/74 filed August 9, 1974.

Convention date August 10, 1973/(38013/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A process for dyeing and printing with reactive dyes medium shades on textile fabrics of cellulosic yarn or mixed yarn with a cellulose component, which comprises pretreating the fabric, at least in predetermined parts, with an auxiliary chemical such as herein described obtained from deacetylated chitin in the form of a gel acidified with a diluted solution of acetic acid and then dyeing the treated fabric with a reactive dye such as herein described by known procedure, the treated parts being coloured in deeper shades.

CLASS 126B.

143054.

Int. Cl.-G01r 27/20.

METHOD AND APPARATUS FOR INVESTIGATING EARTH FORMATIONS.

*Applicant*: SCHLUMBERGER OVERSEAS, S.A., OF VIA ESPANA 200, PANAMA CITY, PANAMA.

*Inventors*: RAMA NARASINGA RAU AND THOMAS JAMES CALVERT.

Application No. 1828/Cal/74 filed August 14, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

Apparatus for investigating earth formations surrounding a borehole wherein are positioned in the borehole means for injecting electromagnetic energy into the surrounding formations and first and second receiving antennas positioned in space relation in said borehole characterized in that the injected energy is in the microwave energy range and means are further provided for measuring the velocity of propagation of said microwave energy through the given portion of the surrounding formations between said first and second receiving antennas and the said velocity measuring means comprises means coupled to said receiving antennas for measuring the phase difference between signals received at said first and second receiving antennas.

CLASS 116H & 166A.  
Int. Cl.-B66c 23/00.

143055.

DOUBLE JIB CRANE.

*Applicant*: O & K ORENSTEIN & KOPPEL AKTIEN-GESELLSCHAFT, OF EINSIEDELSTRASSE 6, LUBECK, FEDERAL REPUBLIC OF GERMANY.

*Inventors*: EGON FRICK.

Application No. 1956/Cal/74 filed August 30, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A double jib crane with two cranes the first crane 8 being mounted on a first crane tower 7, the second crane 19 being mounted on a second crane tower 18 both the cranes being rotatable at their lower ends about their horizontal axis, a rotatable jib 17 in the form of a cantilever of a supporting column 1, the crane tower 7 of the first crane 8 being coaxial with the supporting column 1, the tower 18 of the second crane 19 being mounted rigidly on the jib 17 and means for giving rotational movement to the said two cranes.

CLASS 84B.  
Int. Cl.-C10c 3/00.

143056.

A PROCESS FOR TREATING COAL TAR PITCHES TO IMPROVE THEIR COKING VALUE.

*Applicant*: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors*: CHEMBUMKULAM SRFEDHARAN BHASKARAN NAIR, MIHIR BARAN ROY, ARUN KANTI CHAUDHURI, BANI PRASAD DAS AND AMARENDRA NATH BASU.

Application No. 2040/Cal/74 filed September 12, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims. No drawings.

A process for treating coal tar pitch so as to improve its coking value and  $C_a$  resin content which comprises heating the pitch to temperatures, in the range  $350^\circ$  to  $400^\circ\text{C}$  for periods upto 6 hours and the tar vapours produced are refluxed and condensed back into the hot pitch.

CLASS 32A.  
Int. Cl.-C09b 19/00, C09b 19/02.

143057.

PROCESS FOR ISOLATING EASILY SOLUBLE BASIC OXAZINE DYESTUFFS.

*Applicant*: BAYER AKTIENGESELLSCHAFT OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

*Inventor* : HUBERTUS PSAAR.

Application No. 2055/Cal/74 filed September 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Process for isolating easily soluble basic oxazine dyestuffs from solutions, characterised in that the dyestuffs are precipitated by adding urea or thiourea to the solutions.

CLASS 103. 143058.

Int. Cl.-C23f 11/00, 11/04, 11/10.

A PROCESS FOR THE INHIBITION OF CORROSION OF STEEL DURING PICKLING AND CLEANING.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : DR. NARAYANASWAMI, DR. SUBRAMANYAN, VENKITAKRISHNA AYYAR AND SRI VASUDEVA SASTRI KAPALI.

Application No. 2350/Cal/74 filed October 29, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims. No drawings.

A process for the inhibition of corrosion of steel during pickling and cleaning in hydrochloric acid or sulphuric acid which consists in using a combination of urea, hydrazine and formaldehyde for the pickling of the steel in the pickling acid.

CLASS 201C. 143059.

Int. Cl.-B01j 1/04.

PROCESS FOR REMOVING IONS FROM LIQUIDS CONTAINING METAL SALTS.

*Applicant* : ROHM AND HAAS COMPANY, INDEPENDENCE MALL WEST PHILADELPHIA, UNITED STATES OF AMERICA.

*Inventors* : JAMES HENRY BARRETT AND DAVID HENRY CLEMENS.

Application No. 2863/Cal/74 filed December 27, 1974.

Appropriate office for opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A process for removing ions from desalinating liquid containing at least one metal salt such as herein described which comprises :

- contacting the liquid with thermally regenerable hybrid resin (as hereinbefore defined) to absorb metal salt, and
- regenerating the hybrid resin by contact elution with an aqueous fluid such as saline solution and deionised water at a temperature greater than that of the treated liquid at the time of its contact with the resin.

CLASS 39E & 55D. 143060.

Int. Cl.-C10b 25/00.

A PROCESS FOR PREPARING PHOSPHOROUS HYDRIDE RESISTANT TO SPONTANEOUS INFLAMMABILITY IN PRESENCE OF MOISTURE.

*Applicant* : VEB FAHLBERG-LIST CHEMISCHE UND PHARMAZEUTISCHE FABRIKEN, OF ALT SALZKE 60-63, 3011 MAGDEBURG, GERMAN DEMOCRATIC REPUBLIC.

*Inventors* : PROF. DR. FRIEDRICH WOLF, ROLF HERRMANN AND DR. KARL FEINZ.

Application No. 16/Cal/75 filed January 2, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A process for preparing phosphorous hydride resistant to spontaneous inflammability in presence of moisture, which comprises treating said phosphorous hydride with organic

compounds containing nitrogen and/or oxygen in the anhydrous form as herein described.

CLASS 27C & K. 143061.

Int. Cl.-E04h 12/12.

A PROCESS FOR MAKING PRESTRESSED CONCRETE POLES AND PORTABLE COLUMN MOULD ASSEMBLIES THEREFOR.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : ZACHARIA GEORGE, NATARAJAN SETHURAMAN AND ARUMUGHOM CHELLAPPAN.

Application No. 217/Cal/75 filed February 6, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

11 Claims.

Process for making prestressed concrete poles using portable column-moulds assemblies and stressing beds, wherein the said mould assemblies comprise rolled steel channels connected together transversely by adjustable couplers and capping plates to close the ends wherein steel bars of desired size are placed, prestressed by means provided therefor and concrete is poured and vibrated to obtain cast poles.

CLASS 147C & I. 143062

Int. Cl.-H04r 17/04.

A DEVICE FOR PICKING UP UNDULATIONS ON A MOVING DISC RECORD GROOVE.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : PRABIR KUMAR CHAKRABORTY, FATEH SINGH AND JINSHWAR DAS JAIN.

Application No. 455/Cal/75 filed March 10, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

A device for picking up undulations on a moving disc record groove comprising a metal casing in which are housed a fixed metallic back electrode; a vibrating electrode on which is attached a charged electret foil having one side metal coating, forms a parallel plate condenser with the fixed electrode; a stylus clamped at the bottom of the same metal housing picks up undulation on the record groove and transferring the same to the vibrating electrode through a coupler which vibrates thereby changing the electrical capacitance of the said condenser and causing an electrical voltage to appear across the two terminals of the said condenser, and a source follower connected to the two terminals of the electrodes whereby when the voltage is fed to a source follower gives an output voltage at a very low output impedance (say, of the order of 100 ohms).

CLASS 116H. 143063

Int. Cl.-B66d 3/06, 3/14.

IMPROVEMENTS IN OR RELATING TO LOAD CARRYING HOUSING FOR PULLING AND LIFTING EQUIPMENT.

*Applicant* : TRACTEL TIRFOR INDIA PRIVATE LIMITED, 15, GANESH CHANDRA AVENUE, CALCUTTA-700013, WEST BENGAL, INDIA.

*Inventor* : DR. PRADIP KUMAR CHAKRABARTY.

Application No. 588/Cal/77 filed April 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An improved metal plate load carrying housing for pulling and lifting equipment comprising two housing plates attached with each other through spacing studs to accommodate the operating mechanism inside and with bearing bushes fixed to the said housing plates characterised by that for absolute normal and firm fixing of the studs and bearing bushes with the housing plate, the studs and the bearing bushes are each provided with at least one shallow groove and an adjacent collar on the portion of this member which will be held inside the

thickness of the housing plate and the fixing operation comprising keeping this treated area of spacing stud/bearing bush inside the corresponding hole of the housing plate and crimping the sides of the housing plate under high pressure to make flow of metal into the groove thereby firmly gripping the member.

CLASS 27-0.

143064

Int. Cl.-E04b 2/84.

A PRECAST LOAD BEARING WALL ELEMENT FOR THE ERECTION OF PREFABRICATED BUILDINGS.

*Applicant & Inventor:* GUSTAV ICKES, OF KARIS-BADER STRASSE 1A, 6462 GELNHAUSEN-HAILER, FEDERAL REPUBLIC OF GERMANY.

Application No. 1557/Cal/74 filed July 11, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 3 Claims

In a prefabricated building structure comprising a plurality of vertically extending load bearing unitary wall elements arranged to form joints between adjacent wall elements, each element having a height substantially equal to the height of a story of said building structure, the improvement wherein first and second of said wall elements each have a cantilever extending from a top corner of a side edge thereof and in the plane of the respective wall element, each cantilever having an upper edge extending level with the top edge of the corresponding wall element and a lower edge extending above the bottom edge of the corresponding wall element, an upwardly opening recess in the upper edge of one of said wall elements adjacent to the respective side edge thereof to which the respective cantilever is joined, so that an edge of said upwardly opening recess registers with said side edge, and a downwardly opening recess in the lower edge of the cantilever of the other wall element adjacent the respective side edge thereof to which the respective cantilever is joined so that an edge of said downwardly opening recess registers with said side edge, each of said recesses having widths substantially equal to the widths of said wall elements and depths substantially equal to one half the height of said cantilevers at the respective side edges of said wall elements, said first and second wall elements extending at right angles to each other to form a corner in said building structure, whereby said recesses are vertically aligned with each other to form an interlock between said first and second wall elements with the top edges of said first and second wall elements extending at the same level and with the outwardly extending cantilevers providing structural support means for a balcony or the like.

CLASS 186F. & 206-I.

143065

Int. Cl.-H04b 1/38.

A METHOD AND APPARATUS FOR RECORDING OR REPRODUCING DATA IN ARABIC SCRIPT.

*Applicant:* INTERNATIONAL BUSINESS MACHINES CORPORATION, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

*Inventor:* MOHAMMAD SAEED CHAUDHRY.

Application No. 1924/Cal/74 filed August 26, 1974.

Convention date November 1, 1973/(50823/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 13 Claims

Apparatus for recording or reproducing characters in Arabic script from data coded to represent the characters to be recorded or reproduced, including means to enter data coded to represent characters or spaces in a sequence in which they are to be recorded or reproduced, means to store data coded to represent a character having full and short forms without any indication of the form in which it is to be recorded, means to provide an indication when the character following said stored character is a space, means responsive solely to the presence or absence of said indication to define the form in which said stored character is to be recorded or reproduced and means to record or reproduce said stored character in the form defined being in short form when said indication is absent and in full form when said indication is present.

CLASS 1A.

143066

Int. Cl.-C09j 3/14.

BONDING DISPERSION FOR BONDING TOGETHER MAN-MADE FIBRES.

*Applicant:* EASTMAN KODAK COMPANY, OF 343 STATE STREET, ROCHESTER, NEW YORK 14650, UNITED STATES OF AMERICA.

*Inventors:* GERALD PRESCOTT MORIE AND CEPHAS HIRAM SLOAN.

Application No. 2224/Cal/74 filed October 4, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims. No drawings

A bonding dispersion comprising 0.1 to 20% by weight of water, at least one glycol selected from 1, 2-propanediol, 1, 3-propanediol, 1, 4-butanediol, 1, 2-butanediol and 1, 3-butanediol, and at least one polyester which is dispersible in water and the glycol or glycols, the polyester being present in an amount of 5 to 50% by weight of the dispersion and being selected from polyesters of combinations of isophthalic acid and the sodium, potassium or lithium salt of sulphisophthalic acid reacted with diethylene glycol or triethylene glycol, or terephthalic acid and the sodium, potassium or lithium salt of sulphisophthalic acid reacted with diethylene glycol or triethylene glycol.

CLASS 131B.

143067

Int. Cl.-F21b 1/00, 5/00.

COUPLING MEANS FOR A PERCUSSIVE DRILLING MACHINE.

*Applicant:* SANDVIK AKTIEBOLAG, S-811 01 SANDVIKEN 1, SWEDEN.

*Inventors:* HANS PER OLOF LUNDSTROM AND ERNST LENNART JOHANSSON.

Application No. 2840/Cal/74 filed December 23, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 6 Claims

Coupling means for a percussive drilling machine for connecting to said machine extension equipment comprising a plurality of rods which can be mounted in end to end relation to form a line capable of impact force transmission, and a plurality of tubes capable of being connected together end to end concentrically around said rods and which can transmit rotary force, the coupling means including a tubular adapter which is adapted at one end to be connected with an end tube of the equipment to transmit rotary force to that tube and which mates at its other end with a coupling member which is to be rotated by the drilling machine, this mating being effected through splines or another connection which allows rotational force to be transmitted whilst permitting relative axial movement of the parts.

CLASS 32F<sub>2</sub>c & 40F.

143068

Int. Cl.-F28b 1/00.

METHOD AND APPARATUS FOR THE CONTINUOUS CONDENSATION OF A GASEOUS MIXTURE OF AMMONIA, CARBON DIOXIDE AND WATER VAPOUR.

*Applicant:* SHERRITT GORDON MINES LIMITED, AT SUITE 2800, COMMERCE COURT WEST, TORONTO, ONTARIO, CANADA.

*Inventors:* CHARLES VYDRA AND BHUPENDRA MANMOHANDAS PAREKH.

Application No. 531/Cal/75 filed March 18, 1975.

Convention date March 29, 1974/(196.406/74) CANADA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 7 Claims

A process for treating a gas containing a mixture of ammonia, carbon dioxide and water vapour in order to condense the gaseous mixture continuously which process comprises continuously passing said gaseous mixture into a confined

zone in which is disposed a condensing surface; cooling said surface to cause said gaseous mixture to condense with resulting formation of an aqueous condensate containing ammonia and carbon dioxide; recovering the condensate; and coating the condensing surface with a liquid selected from the group comprising: (a) water; (b) a mixture of water and ammonia; and (c) a mixture of water, ammonia, and carbon dioxide, said mixture (b) and mixture (c) having a total ammonia concentration below about 260 grams per litre.

CLASS 39-L &amp; 141-D &amp; F.

143069

Int. Cl. C01f 5/02, 5/12, 5/00, C22b 3/00.

# A METHOD OF REMOVING IMPURITIES FROM MAGNESIUM CONTAINING COMPOUNDS.

*Applicant & Inventor*: DR. ANTHONY HAYHURST, AT 13 SPEY DRIVE, THREE RIVERS VEERENIGING, TRANSVAAL, REPUBLIC OF SOUTH AFRICA. & GEORGE STEVEN JAMES, AT 5, 13TH AVENUE, PARKTOWN NORTH, JOHANNESBURG, TRANSVAAL, REPUBLIC OF SOUTH AFRICA. & RONALD ALGAR PARRY, OF 3, HAZEL COURT, ROSE STREET, THREE RIVERS, VEERENIGING TRANSVAAL, REPUBLIC OF SOUTH AFRICA.

Application No. 585/Cal/75 filed March 22, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A method of removing impurities from magnesium containing compounds including the steps of forming an aqueous slurry of magnesium containing materials, treating the slurry with sulphur dioxide to form a solution of magnesium bisulphite and an insoluble residue containing undissolved impurities, separating the impurities and other insoluble residue from the solution of magnesium bisulphite, precipitating a magnesium sulphite hydrate from the solution, separating the hydrate from the mother liquor, dehydrating the magnesium sulphite hydrate and subjecting the magnesium sulphite thus obtained to flash decomposition by introducing said sulphite rapidly into a heated furnace at a temperature in excess of 600°C where the bulk of the sulphite is converted to magnesium oxide and sulphur dioxide and less than 5% of magnesium sulphate is formed.

CLASS 108C.

143070

Int. Cl. C21c 5/34.

# A METHOD OF REFINING METAL AND AN APPARATUS THEREFOR.

*Applicant*: USS ENGINEERS AND CONSULTANTS, INC., OF 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

*Inventors*: FRANKLIN EDWARD ROTE & KARL BROTZMANN.

Application No. 944/Cal/75 filed May 12, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 15 Claims

A method of refining metal by introducing an oxygen-containing gas into the hearth section of a metal refining vessel to oxidize impurities from a charge of molten metal in the vessel, the method including introducing oxygen-containing gas through at least one tyere into the nose section of the vessel to burn at least some of the carbon monoxide evolved from the molten metal so as to heat the nose section and thereby melt any accumulated nose-skull and prevent the formation of further nose-skull, and introducing fuel into the nose section for combustion together with or instead of the carbon monoxide.

CLASS 32F<sub>2a</sub> & F<sub>2b</sub> & F<sub>3a</sub>.

143071

Int. Cl. C07c 103/00.

# A PROCESS FOR THE CONVERSION OF AMIDES TO THE CORRESPONDING ACID HYDRAZIDES.

257GI/77

*Applicant*: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

*Inventors*: SUBHASH CHANDRA RAY, SISIR KUMAR RAY, DHARMA NATH SINGH, CHEMBUMKULAM SREEDHARAN BHASKARAN NAIR.

Application No. 1186/Cal/75 filed June 17, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 9 Claims

A process for the preparation of acid hydrazide of the formula R-CONHNH<sub>2</sub> from amides having general formula R-CONH<sub>2</sub> where R may be aromatic, heterocyclic or an aliphatic group by reaction with hydrazine hydrate in solution in an aliphatic alcohol containing 1-4 carbon atoms, a few drops of acid, by heating, followed by recovery of the hydrazide and solvent from the reaction mixture by distillation.

CLASS 35c &amp; 132-D.

143072

Int. Cl. B28c 5/00; 7/00.

# A METHOD OF AND APPARATUS FOR PREPARING A PLUGGING FLUID.

*Applicant*: SEVERO-KAVKAZSKY GOSUDARSTVEN-NYNAUCHNO-ISSLEDOVATELSKY I PROEKTNY INSTITUT NEFTYANOI PROMYSHLENNOSTI "SEVKAV-NIPINEFT" OF GROSNY, ULITS A PEDAGOGICHES-KAYA 23, USSR.

*Inventors*: ALEXANDR SERGEEVICH MAMVRIISKY, & ALEXANDR MIKHAILOVICH LAPCHENKO.

Application No. 1389/Cal/75 filed July 16, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A method of preparing a plugging fluid by mixing continuously supplied flows of a dry cementing material and of a carrier liquid, whereafter the prepared plugging fluid is discharged, characterised in that it includes shaping the said flow of the carrier liquid into a flat jet directed into the mixing zone and rotating the flat jet about the longitudinal axis thereof to adjust the material-engaging area of the jet, through an angle corresponding to the required density of the plugging fluid to be prepared.

CLASS 80-E &amp; 128F.

143073

Int. Cl. A61m 1/02.

# A BLOOD FILTER ELEMENT.

*Applicant*: JOHNSON & JOHNSON, OF 501, GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, U.S.A. & PUROLATOR, INC; AT 970 NEW BRUNSWICK AVENUE, RAHWAY, NEW JERSEY, U.S.A.

*Inventors*: WILLIAM LAUER. & HERMAN CHARLES MOUWEN.

Application No. 1402/Cal/75 filed July 17, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

A blood filter element comprising an upstream filter sheet of a layer of fibres having a thickness of at least .015 inch, said layer consisting of fibres locked in position by entanglement of fibres with each other and a downstream filter sheet of a woven synthetic fibre fabric having a pore size of about 20 microns.

CLASS 14B.

143074

Int. Cl. H01m 21/04.

# A DRY CELL.

*Applicant & Inventor*: MR. GOVIND CHANDRA SRI VASTAVA, S 179A, PANSCHILA PARK, NEW DELHI 110017, INDIA.

Application No. 1741/Cal/75 filed September 10, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

### 8 Claims

A cell consisting essentially of a carbon rod forming a positive electrode, said rod disposed within a casing, a depolarizer mix contained within said casing characterized in that said casing is made of a plastic material, at least one zinc strip forming the negative electrode disposed within said casing.

CLASS 128-K & 206E.

143075

Int. Cl. A61f 1/20.

### AN ARTIFICIAL LARYNX.

*Applicant & Inventor* : PRADEEP B. WAGH, OF G/54/A DR. RAJENDRA PRASAD ROAD, JHANSI, (U.P.), INDIA.

Application No. 1980/Cal/75 filed October 10, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

### 6 Claims

An artificial larynx for causing an artificial resonance of the vocal cavity comprising a transducer having a diaphragm adapted to bear against the throat of a user, a monostable multivibrator connected to said transducer for causing a vibration of said diaphragm said transducer consisting of a first and second coils wound on pole pieces of a magnet, said coils connected to the multivibrator, said diaphragm disposed in the vicinity of said pole pieces.

CLASS 24-B & F.

143076

Int. Cl. F16d 65/14.

### IMPROVEMENTS IN ACTUATOR ASSEMBLIES FOR VEHICLES BRAKES.

*Applicant* : GÄRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM 11, ENGLAND.

*Inventor* : NORMAN CRABTREE.

Application No. 2057/Cal/75 filed October, 1975.

Convention date November 15, 1974 (49435/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 3 Claims

An actuator assembly of the kind set forth for vehicle brakes in which one of the follower members comprises a pair of hydraulic pistons working in a common bore in the housing, and the housing is provided with a supply port communicating with a pressure space defined between the adjacent ends of the pistons which abut when the wedge member is displaced, and with an abutment face with which the innermost piston is engageable when the wedge member is in its retracted position whereby the pressure space can be pressurised through the supply port to urge the outermost piston away from the inner most relatively stationary piston to apply one of the friction members into braking engagement with the rotor.

CLASS 32A.

143077

Int. Cl. C09b 31/04.

### PROCESS FOR PREPARING LAKED AZO DYE-STUFFS.

*Applicant* : HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

*Inventors* : JOSEPH LANDLER, (2) ERHARD WORFEL.

Application No. 153/Cal/76 filed January 28, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 9 Claims

In a process for the preparation of a laked azo compound by reacting a diazotable aromatic amine with a coupling component, wherein at least one of said components has at least one free acidic group capable of reacting with the coupling component in water at a temperature of 10 to 50°C, the improvement comprising :  
reacting a stoichiometric amount of said amine and said coupling component without adding an acid with a stoichiometric amount of a nitrite and by transforming after forming the azo compound any still free acidic group capable of leake-forming into the lake.

CLASS 32F, & F.d & 55E.

143078

Int. Cl. C07c 127/16; 143/78.

### PROCESS FOR THE MANUFACTURE OF BENZENESULFONYL-UREAS.

*Applicant* : HOECHST AKTIENGESELLSCHAFT OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

*Inventors* : HELMUT WEBER, (2) WALTER AUMULLER, (3) RUDI WEYER. (4) KARL MUTH & FELIX HELMUT SCHMIDT.

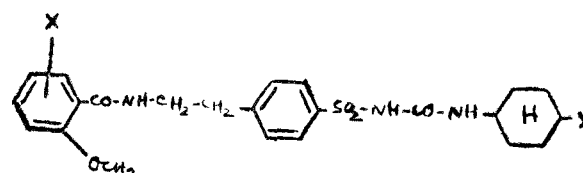
Application No. 688/Cal/76 filed April 21, 1976.

Division of Application No. 1913/Cal/74 filed June 18, 1966.

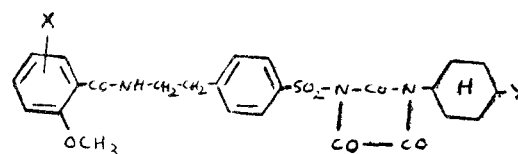
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 7 Claims

Process for the manufacture of benzenesulfonyl-ureas of the formula shown in Fig. 1.



wherein X represents a chlorine, bromine or methyl linked in 4- or 5- position to the carboxylic amide group, and Y represents hydrogen or methyl, which comprises hydrolysing in known manner a benzenesulfonyl-parabanic acid of the formula shown in Fig. 2.



and, if desired, converting the reaction products into salts by treatment with an alkaline agent.

### OPPOSITION PROCEEDINGS

#### (1)

The opposition entered by Belpahar Refractories Limited to the grant of a patent on application No. 136992, made by Orissa Cement Limited, as notified in Part III, Section 2 of the Gazette of India, dated the 3rd January, 1976 has been partly allowed and a patent has been ordered to be sealed on the application subject to amendment of the specification.

#### (2)

An opposition has been entered by Lifting Equipments & Accessories to the grant of a patent on application No. 141505 made by Tractel Tirfor India Private Limited.

(3)

An opposition has been entered by Ideal Engineers Hyderabad Private Limited to the grant of a patent on application No. 141787 made by Subhash Shankarrao Poudwal.

(4)

An opposition has been entered by Ram Narain Kher to the grant of a Patent on application No. 142004 made by Jejam Associated Industries.

#### CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

(1)

The title in the application and specification of application for Patent No. 140597 (earlier numbered 1019/Cal/75) the acceptance of the completed specification of which was notified in the Part III, Section 2, of the Gazette of India, dated the 4th December, 1976 has been corrected to read "A manual seeder for cereals and the like" under sub-section (3) of the Section 78 of the Patents Act, 1970.

(2)

The title of the application and specification of the application for patent No. 140613 (earlier numbered 2387/Cal/74) the acceptance of the complete specification of which was notified in the Part III, Section 2, of the Gazette of India, dated the 11th December, 1976 has been corrected to read "Apparatus for drilling bore hole" under sub-section (3) of the section 78 of the Patents Act, 1970.

#### PATENTS SEALED

140403 140475 140495 140529 140603 140604 140605 140637  
140640 140643 140661 140663 140664 140665 140671 140672  
140698 140701 140721 140726 140759 140760 140761 140764  
140768 140843 140859 140870 140881 140883 140888 140892  
140904 140908 140909 140916 140925 140935 140937 140940  
140941 140945 140946 140975 140984 141118 141124 141557

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Holset Engineering Company, Limited, a British Company, of Turnbridge, Huddersfield, England, have made an application under Section 57 of the Patents Act, 1970 for amendment of drawings of their application for patent No. 142125 for "Bearing structure". The amendments are by way of explanation and correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

#### PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
122097	(20-4-72) Process for the preparation of new pyrazine derivatives.
127349	(20-4-72) Process for the preparation of new partially protected basic amino acid derivatives.
132783	(4-9-71) Process for the preparation of cyclohexanone by selective vapour phase hydrogenation of phenol.
132976	(20-9-71) Process for the production of polyglycol ether compounds.
133047	(24-9-71) Process for polymerizing monomer charge with tetrahydrofuran modified catalyst.

133278 (20-10-71) A process for manufacture of paraffin wax from slack wax.

133365 (26-10-71) Improvements in or relating to deposition of crystalline semiconductor material.

135540 (8-2-71) Process for the manufacture of amines.

135544 (6-7-72) Process for the production of liquefied petroleum gas.

135550 (11-8-70) Olefin polymerisation.

135551 (27-4-72) Steam Reforming of hydrocarbons.

#### RENEWAL FEES PAID

83817 83836 84053 89522 89544 89725 89798 89799 89816  
89833 89840 89854 89886 89980 89987 90456 95052 95487  
95606 95624 95635 95636 95669 95697 95750 95751 95774  
95998 96209 96445 100278 100762 101228 101313 101469  
101571 101611 101648 101729 101970 102109 102151 106923  
106926 106946 107012 107099 107109 107114 107121 107155  
107223 107265 109774 112284 112313 112555 112588 112685  
116721 117453 117528 117529 117563 117564 117568 117583  
117620 117643 117700 117749 117775 118014 118085 118115  
118741 119263 120314 122920 122954 122980 122998 123157  
123242 123273 123278 123421 123569 123693 124860 125118  
128139 128187 128233 128267 128282 128296 128343 128385  
128386 128419 128442 128483 128466 128485 128546 128555  
128566 128637 128670 129393 130038 132378 132591 132645  
132746 132748 132759 132771 132782 132825 132904 132920  
132930 132946 132948 132977 133022 133135 133213 133234  
133381 133382 133384 135705 135716 135810 135942 136105  
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136625 136676 136703 136762 136788 136911 137025 137034  
137415 137592 137609 138156 138705 138763 138879 139120  
139193 139212 139240 139298 139378 139463 139486 139646  
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139944 139946 139963 139971 139979 139995 140001 140009  
140012 140029 140068 140073 140093 140103 140121 140133  
140155 140161 140164 140174 140179 140199 140201 140212  
140246 140258 140276 140277 140294 140306 140309 140325  
140327 140329 140332 140347 140353 140354 140359 140362  
140364 140365 140387 140389 140396 140397 140401 140410  
140414 140416 140418 140433 140442 140451 140452 140454  
140458 140463 140466 140467 140481 140501 140518 140596  
140684 140846

#### CESSATION OF PATENTS

95378 95429 95468 95476 95526 95533 95539 95592 95611  
95641 95654 95666 95689 95690 95827 95863 95903 95931  
95968 95983 96007 96025 96032 96058 96063 96068 96090  
96103 96151 96210 96229 96242 96264 96265 96292 96384  
96385 108294 123319 132703 137099 137115 137390 139241

#### RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 119362 granted to The Mysore Electrical Industries Ltd. for an invention relating to "electronic phase failure detector device". The patent ceased on the 10th January, 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 13th August, 1977.

Any interested person may give notice of opposition to the restoration by leaving a notice on form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 24th November, 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponents' interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 135488 granted to Kishor Chandra Kothari for an invention relating to "plates for rechargeable batteries". The patent ceased on the 9th August, 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 3rd September 1977.

Any interested person may give notice of opposition to the restoration by leaving a notice on form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 24th November, 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponents' interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 138967 granted to The Fertilizer Corporation of India Limited for an invention relating to "improvement in or relating to filling-cum-weighing machine". The patent ceased on the 31st March, 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 13th August, 1977.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 24th November, 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponents' interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application for restoration of Patent No. 102483, dated the 12th November, 1965, made by National Research Development Corporation of India on the 13th September, 1976 and notified in the Gazette of India Part III, Section 2, dated the 5th March, 1977 has been allowed and the said patent restored.

(5)

Notice is hereby given that an application for restoration of patent No. 138024, dated the 9th January, 1974 made by Henry Devaud on the 7th January, 1977 and notified in the Gazette of India, Part III, Section 2 dated the 5th March, 1977 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 145000. (Mr.) Pradyumna Chhotalal Vora, an Indian Citizen, 314/13 Joy House, 2nd Floor, 12th Road, Jawahar Nagar, Goregaon (West), Bombay-400 862, Maharashtra State, (Nationality Indian). "Hanger". December 15, 1976.

Class 1. Nos. 145135 to 145138. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700 016, West Bengal, India. "Flashlight". January 19, 1977.

Class 1. Nos. 145281 & 145282. M/s. Chhabra Locks India, Bombay Bazar, Meerut-250001, U.P. India, a registered partnership firm. "Shutter lock for rolling shutters". February 25, 1977.

Class 3. No. 145001. (Mr.) Pradyumna Chhotalal Vora, an Indian Citizen, 314/13, Joy House, 2nd Floor,

12th Road, Jawahar Nagar, Goregaon (West) Bombay-400 062, Maharashtra State, (Nationality Indian). "Hanger". December 15, 1976.

Class 3. Nos. 145128, 145129 & 145131. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700 016, West Bengal, India. "Flashlight". January 19, 1977.

#### COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 140174, 140175, 140177, 140179, 140180, 140181 140182, 140183,.....Class 1.

Design Nos. 140178, 140184, 140217, 140218, 140220, 140221 140225 & 140227 .....Class 3.

Design Nos. 140219, 140222, 140223, 140224, 140226, 140228 & 140229. ....Class 4.

Name Index of Applicants for Patents for the months of July 1977 (Nos. 988/Cal/77 to 1176/Cal/77, 211/Bom/77 to 235/Bom/77, 111/Mas/77 to 127/Mas/77 and 148/Del/77 to 177/Del/77.)

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##### A

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Agarwal, O.P.—1049/Cal/77.

Aggarwal, A.—164/Del/77, 165/Del/77.

Ahmedabad Textile Industry's Research Association.—214/Bom/77.

Alfa-Laval Aktiebolag.—1077/Cal/77.

Aluminium Pechiney.—1031/Cal/77, 1032/Cal/77.

Aluminum Company of America.—1080/Cal/77, 1081/Cal/77.

Antonio, P.—1087/Cal/77.

Anu Enterprises.—172/Del/77.

Ashland Oil, Inc.—1095/Cal/77.

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Babu, V. V.—117/Mas/77.

Bake, W. J. H.—996/Cal/77, 997/Cal/77.

Baker, J. S. L.—149/Del/77.

Balasubramanian, P. (Sm.).—126/Mas/77.

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Bcdell, R. K.—1066/Cal/77.

Bhagat Engineering Co. Pvt. Ltd.—148/Del/77.

Bharat Heavy Electricals Ltd.—176/Del/77.

Bhasin, R.—1013/Cal/77.

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Bhide, P. G.—212/Bom/77.

Boehringer Mannheim GMBH.—992/Cal/77.

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S. VEDARAMAN

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